



COMPILATION OF CATCH, ESCAPEMENT, AGE, SEX, AND SIZE DATA  
FOR SALMON (Oncorhynchus sp.) RETURNS TO THE YAKUTAT  
AREA, 1983

Compiled and Edited by:  
Douglas N. McBride

August 1984

## ADF&G TECHNICAL DATA REPORTS

This series of reports is designed to facilitate prompt reporting of data from studies conducted by the Alaska Department of Fish and Game, especially studies which may be of direct and immediate interest to scientists of other agencies.

The primary purpose of these reports is presentation of data. Description of programs and data collection methods is included only to the extent required for interpretation of the data. Analysis is generally limited to that necessary for clarification of data collection methods and interpretation of the basic data. No attempt is made in these reports to present analysis of the data relative to its ultimate or intended use.

Data presented in these reports is intended to be final, however, some revisions may occasionally be necessary. Minor revision will be made via errata sheets. Major revisions will be made in the form of revised reports.

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FOR SALMON (*Oncorhynchus* sp.) RETURNS TO THE YAKUTAT AREA  
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## ABSTRACT

Sockeye salmon (*Oncorhynchus nerka*) returns were at or above recent levels in all fisheries except the Situk River. Sockeye salmon returns to the East Alsek, Alsek, and Lost River systems had large proportions of 0-freshwater age fish (primarily age 0.3). Conversely, sockeye salmon returns to the Alsek, Itallo, and Situk River systems were composed primarily of 1-freshwater age fish (primarily age 1.3). Similarities in age composition between the sockeye salmon return to the Situk River and catches in the Lost River, Yakutat Bay, and Manby Shore fisheries indicated that Situk River stocks were the primary contributors to these fisheries. Coho salmon (*O. kisutch*) returns were generally below recent levels. Age 2.1 and 3.1 fish comprised nearly equal proportions of most coho salmon fisheries.

KEY WORDS: Sockeye salmon, *Oncorhynchus nerka*, Yakutat area, biological sampling.

## INTRODUCTION

Yakuta area drainages (Figure 1) support returns and fisheries of all five North American species of Pacific salmon (*Oncorhynchus* sp. Walbaum). Adequate management of these resources requires knowledge of certain fundamental parameters of each contributing population or stock. Of particular importance is determination of brood stock requirements needed to maintain the population at a level capable of producing optimal yield. To carry out this objective, it is necessary to accurately assess: (1) the magnitude of the removal (harvest) and its characteristics (distribution, age, sex, and size composition); and (2) the magnitude of the breeding population (spawning escapement) and its characteristics.

Resource management agencies maintain resource monitoring programs to collect these data for both the fisheries and contributing spawning populations in the Yakutat area<sup>1</sup>. The objective of this report is to present the base-line population statistics for the 1983 inshore return of salmon to the Yakutat area. This report builds upon the data base established by McBride and Brogle (1983). Abundance, age, sex, and size composition is summarized by species for each sampled fishery and escapement. Detailed information for each fishery is summarized in the Appendices.

## METHODS

### Description of Fisheries

Sockeye salmon (*O. nerka*) are the most intensively harvested salmon species in the Yakutat area and support terminal commercial gillnet fisheries in the East Alsek, Alsek, Akwe, Italio, Situk, and Lost Rivers. All of these river systems also support fisheries on chinook (*O. tshawytscha*), coho (*O. kisutch*), and chum (*O. keta*) salmon. Several river systems north of Yakutat Bay (the Yahtse, Tsiu, and Kaliakh Rivers) are major producers of coho salmon and support terminal (gillnet fisheries for this species. Interception gillnet fisheries occur in the Manby Shore area and Yakutat Bay and target primarily on sockeye and coho salmon. The Yakutat coastal waters also support mixed-stock troll fisheries targeting on coho salmon<sup>2</sup>.

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<sup>1</sup> The Alaska Department of Fish and Game manages most of the fisheries in the Yakutat area. The Canadian Department of Fisheries and Oceans manages the fisheries in the upper Alsek River drainage.

<sup>2</sup> The troll fishery is not addressed in this report. The magnitude and age, sex, and size composition of these fisheries will be reported in a similar publication on Southeastern Alaska coho salmon abundance and composition.

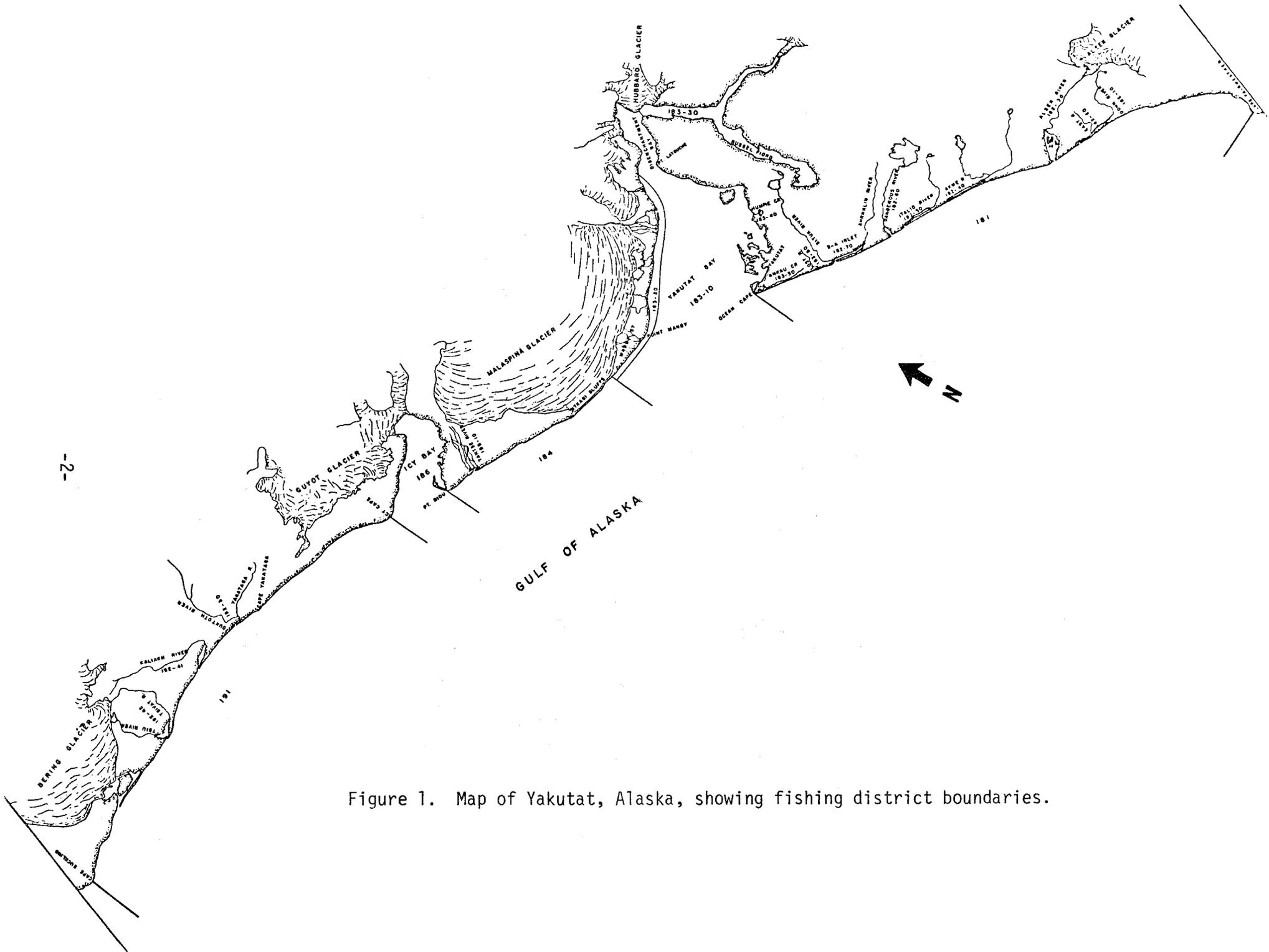


Figure 1. Map of Yakutat, Alaska, showing fishing district boundaries.

## Abundance Data

The Alaska Department of Fish and Game (ADF&G) Division of Commercial Fisheries compiled all Alaskan commercial catch data used in this report. These data are based on preliminary computer tabulations of individual sales records (fish tickets)<sup>1</sup>. The fish ticket tabulations used in this report were current through 1 January 1984 and will not differ significantly from final tabulations. These data are reported by weekly periods (Appendix A). ADF&G Division of Sport Fish compiled sport catch data used in this report (Mills 1984). Sport catch data by river system are only available for the Situk River and all other freshwater catches are pooled. Canadian Department of Fisheries and Oceans (CDFO) compiled catch data from the upper Alsek River system (Johnston 1984).

Most of the escapement data presented in this report were obtained from aerial surveys (Brogle 1984). These data are considered indices of relative abundance and do not represent a complete enumeration of season escapement. However, aerial survey data for some river systems and species may be adequate to obtain an approximation of the total spawning escapement. While these aerial counts are considered approximations of the actual spawning escapement, the precision of these estimates is not known and the inter-annual variability is probably large. Aerial survey data for sockeye salmon escapements in the East Alsek, Italo, and Lost River systems and coho escapements to the East Alsek (Doame River), Italo, Lost, Tsiu, and Kaliakh Rivers are presented as rough estimates of the total spawning escapement.

Salmon escapements to the Situk River and to the Klukshu River (Alsek River system) were counted through a weir. Total sockeye salmon escapement above the Alsek River commercial fishery was estimated through a tagging study (McBride and Bernard 1984).

## Age, Sex, and Size Data

Fish were sampled for scales, sex, and length. Scales were collected on the left side of the fish approximately two rows above the lateral line and on the diagonal row downward from the posterior insertion of the dorsal fin (INPFC 1963). Scales were mounted on gum cards and impressions were made in cellulose acetate (Clutter and Whitesel 1956). Otoliths were collected from a limited number of spawned-out carcasses.

Examination of scales and otoliths provided age information. Sex determination was based on examination of either morphometric characteristics or gonads. Fish length was measured from middle of eye to fork of tail except for the upper Alsek River samples which were measured from tip of snout to fork of tail.

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<sup>1</sup> Catches are reported on fish tickets as both total number and total weight. Processors report sales (landings) by number of fish per landing and weight of landing.

Samples were collected from most sockeye, chinook, and coho salmon commercial catches. Chum salmon commercial catches from the East Alsek River were also sampled. Some samples were collected from the Tatshenshini River (Alsek River system) chinook salmon sport catch.

Samples were collected from all major sockeye salmon spawning populations and the East Alsek chum salmon escapement. Live fish were sampled at the Situk and Klukshu River weirs. All other escapement samples were collected from spawned-out carcasses.

An age composition was computed for each sampled fishery. These data were edited and summarized with the aid of a series of BASIC programs operating on a micro computer. Sampling goals were to collect enough samples to estimate the proportion of each age in the population to within +/-5 percentage points nine out of ten times (Bernard 1982). Samples were collected from multiple time strata for the major sockeye salmon fisheries (East Alsek, Alsek, Situk, and Yakutat Bay) while all other fisheries were sampled as single time strata (McBride 1983).

An age composition was also computed for each sampled escapement. For most of the sampled escapements, samples were collected from carcasses over a short period of time and these data were pooled into a single stratum. Samples collected from the Situk River sockeye salmon escapement were stratified over time as described above.

Average length, by sex and age, is reported as a single sample period for each sampled fishery and escapement.

## RESULTS AND DISCUSSION

Sockeye and coho salmon accounted for virtually all of the commercial and sport harvest of salmon in Yakutat area fisheries (Tables 1 and 2). Escapement estimates by species and river system are presented in Table 3. Summaries of commercial catches, escapements, and age and size data by species are presented in Tables 4-13. Detailed catch, effort, age, and sex data are presented by fishery and species (Appendices B-M). Weight data for each commercial fishery are presented in Appendix N.

### Chinook Salmon

Yakutat area chinook salmon catches were generally less than in recent years. The Situk River return was particularly poor and resulted in an early closure of the sport fishery. The Alsek River catch was also well below recent levels, primarily due to the delayed opening of the fishery<sup>1</sup>.

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<sup>1</sup> Historically, the Alsek River commercial fishery opened during the first week of June. During recent years, the fishery has remained closed until the third or fourth week of June to provide protection to the chinook and early portions of the sockeye salmon migrations.

Table 1. Yakutat area commercial gillnet harvest of salmon by fishery, 1983.

Fishery	Chinook	Sockeye	Coho	Pink	Chum
East Alsek	36	81,201	4,988	359	9,392
Alsek	94	18,546	5,253	20	432
Akwe	99	5,822	5,290	152	74
Italio		1,349	4,808	445	605
Situk	349	17,797	15,186	6,864	240
Lost	3	2,158	5,223	1,554	9
Yakutat Bay	371	17,844	3,739	15,840	428
Manby Shore	24	7,819	5,391	142	12
Yahtse		231	6,565	2	
Tsiu			20,119		
Kaliakh			4,598		
U.S Total	976	152,767	81,160	25,378	11,192

Table 2. Yakutat area sport and subsistence harvest of salmon by fishery, 1983.

Fishery	Chinook	Sockeye	Oho	Pink	Chum
Saltwater <sup>1</sup>	199		598	315	
Situk <sup>1</sup>	52	274	545	63	
Alsek <sup>2</sup>	600	3,100	100		
Other <sup>1</sup>	105	164	1,185		
<b>Total</b>	<b>956</b>	<b>3,538</b>	<b>2,428</b>	<b>378</b>	

<sup>1</sup> Sport harvest.

<sup>2</sup> Combined sport and subsistence harvest.

Table 3. Yakutat area escapement of salmon by river system, 1983<sup>1</sup>.

Fishery	Chinook	Sockeye	Coho	Pink	Chum
East Alsek		65,000 <sup>2</sup>	1,000		10,000 <sup>2</sup>
Alsek-Upper Alsek <sup>9</sup>		55,662			
-Klukshu <sup>2</sup>	2,537	20,492	303		
-Lower Alsek <sup>4</sup>		3,500	2,900		
Akwe	140	9,000	6,000		
Italio <sup>2</sup>		8,000	2,150	15,000	3,000
Situk-Weir <sup>3</sup>	856	63,591		183,577	
-Other <sup>5</sup>		4,500	5,300		
Lost <sup>1 2</sup>		10,000	8		
Yakutat Bay <sup>6</sup>				399	
Manby Shore <sup>7</sup>		2,000	900		
Yahtse			8		
Tsiu			18,000		
Kaliakh			6,000		

<sup>1</sup> Peak aerial surveys unless noted otherwise.

<sup>2</sup> Estimated total escapement.

<sup>3</sup> Weir.

<sup>4</sup> Muddy Creek, Cabin Creek, Basin Creek.

<sup>5</sup> Below weir, Old Situk, Ahrnklin River.

<sup>6</sup> Humpy Creek, Pudget Cove Creek, White Alice Creek, Canoe Pass, Knight Island, Strawberry Creek.

<sup>7</sup> Malaspina, Manby Pond.

<sup>8</sup> No estimate.

<sup>9</sup> Mark-recapture estimate for escapement above commercial fishery.

Table 4. Yakutat area commercial gillnet harvest of chinook salmon by fishery and week, 1983.

Number of Fish by Fishery							
Week	East Alsek	Alsek	Akwe	Italio	Situk	Lost	Yakutat Bay
6/20-6/25	5	72			118		191
6/26-7/02	1	15	67		103		35
7/03-7/09	22	5	26		85		15
7/10-7/16	6	2	5		24	2	19
7/17-7/23	1				6	1	15
7/24-7/30			1		2		27
7/31-8/06	1				11		9
8/07-8/13							14
8/14-8/20							36
8/21-8/27							3
8/28-9/03							4
9/04-9/10							2
9/11-9/17							
9/18-9/24							1
9/25-10/01							
<b>Total</b>	<b>36</b>	<b>94</b>	<b>99</b>	<b>0</b>	<b>349</b>	<b>3</b>	<b>371</b>

Table 5. Age composition of chinook salmon from Yakutat area commercial gillnet fisheries, 1983.

Fishery	Sample Size	Total Catch	Percent Composition by Brood Year and Age Class										
			1976		1977		1978			1979		1980	
			2.4	1.4	2.3	0.4	1.3	2.2	0.3	1.2	0.2	1.1	
Alsek	41	94		39.02	2.44		46.34			12.20			
Akwe	63	99		6.35		74.60			19.05				
Situk	222	349	0.45	9.46		0.90	51.35	0.45	1.35	34.68		1.35	
Yakutat Bay	61	371		6.56			19.67		13.11	37.70	21.31	1.64	

Table 6. Yakutat area commercial gillnet harvest of sockeye salmon by fishery and week, 1983.

Number of Fish by Fishery and Week									
Week	East Alsek	Alsek	Akwe	Italio	Situk	Lost	Yakutat Bay	Manby Shore	Yahtse
6/12-6/18							2,527		
6/19-6/25	97	1,200			3,318	191	2,194	1,773	
6/26-7/02	618	2,529	386		2,229	198	738	2,092	
7/03-7/09	1,758	2,301	1,383		3,923	201	1,270	2,324	
7/10-7/16	3,683	3,675	1,518	425	2,247	319	1,835	1,615	
7/17-7/23	13,027	2,631	1,467	311	1,974	163	515		
7/24-7/30	11,469	4,775	484	241	1,152	162	1,436		
7/31-8/06	16,775	926	476	122	1,983	304	4,158		
8/07-8/13	8,358	269	70	186	469	289	1,213		
8/14-8/20	15,914	123		44	327	193	1,842		
8/21-8/27	6,960	38		5	96	103	86		
8/28-9/03	1,963	43	29	11	28	28	28	15	
9/04-9/10	527	29	8	4	35	7	2		
9/11-9/17	52	7	1		16				231
9/18-9/24									
9/25-10/01									
<b>Total</b>	<b>81,201</b>	<b>18,546</b>	<b>5,822</b>	<b>1,349</b>	<b>17,797</b>	<b>2,158</b>	<b>17,844</b>	<b>7,819</b>	<b>231</b>

Table 7. Age composition of sockeye salmon from Yakutat area commercial gillnet fisheries, 1983.

Fishery	Sample Size	Total Catch	Percent Composition by Brood Year and Age Class									
			1976	1977		1978			1979		1980	
			2.4	1.4	2.3	0.4	1.3	2.2	0.3	1.2	0.2	1.1
East Alsek	1,451	81,201			0.04	0.09	5.28	0.05	87.68	1.82	5.04	
Alsek	2,011	18,564		0.12	0.37		86.88	0.09	5.35	5.91	1.27	
Akwe	602	5,822		0.15	0.51	0.06	18.12	0.09	61.53	4.20	15.33	
Italio	535	1,349			0.93		49.66	0.28	42.82	2.90	3.39	
Situk	1,479	17,797	0.13	0.42	9.35	0.10	73.41	2.75	6.50	6.51	0.58	0.25
Lost	679	2,158		0.06	5.34		63.50	3.44	13.48	12.24	1.94	
Yakutat Bay	1,574	17,844		0.15	3.58	0.03	57.92	1.30	29.07	6.60	1.34	0.03
Manby Shore	851	7,819		0.35	5.56		57.66	3.14	8.59	24.46	0.23	

Table 8. Age composition of sockeye salmon from Yakutat area escapements, 1983.

Escapement	Sample Size	Total Escapement	Percent Composition by Brood Year and Age Class											
			1976	1977		1978			1979		1980		1981	
			2.4	1.4	2.3	0.4	1.3	2.2	0.3	1.2	2.1	0.2	1.1	0.1
East Alsek	433	65,000 <sup>1</sup>					2.54		88.45	0.46		8.31		0.23
Alsek	348	20,492 <sup>2 3</sup>					89.94			9.77		0.29		
Akwe	309	9,000 <sup>1</sup>			1.62		8.09	0.97	58.58	1.62		28.80		0.32
Italio	323	8,000 <sup>1</sup>			0.62		80.19	0.93	0.62	15.79		1.24	0.62	
Situk	1,468	63,645 <sup>2</sup>		0.07	6.39		66.15	4.09	0.69	20.21	0.10	1.78	0.43	0.10
Lost	260	10,000 <sup>1</sup>				0.38	22.31		46.15	19.62		10.00		1.54

<sup>1</sup> Aerial survey. Peak estimate.

<sup>2</sup> Weir.

<sup>3</sup> Klukshu River.

Table 9. Yakutat area commercial gillnet harvest of coho salmon by fishery and week, 1983.

Number of Fish by Fishery and Week											
Week	East Alsek	Alsek	Akwe	Italio	Situk	Lost	Yakutat Bay	Manby Shore	Yahtse	Tsiu	Kaliakh
6/20-6/25							25				
6/26-7/02								44			
7/03-7/09					1		20	6			
7/10-7/16	2					1	124	63			
7/17-7/23	11				1		310				
7/24-7/30	30	1			7	1	128				
7/31-8/06	21	5	4	6	39		425				
8/07-8/13	71	5	2	42	184	50	466				
8/14-8/20	373	64		17	727	372	504				
8/21-8/27	732	165		53	1,315	371	597				
8/28-9/03	1,437	538	234	241	2,511	953	287	1,406	1,223	6,396	1,316
9/04-9/10	1,073	974	396	608	3,485	825	258	1,781	2,359	5,218	1,638
9/11-9/17	667	1,373	1,623	703	5,089	1,953	323	1,389	2,048	7,104	1,644
9/18-9/24	376	1,750	1,671	1,169	1,493	446	276		840	1,401	
9/25-10/01	195	378	1,360	1,965	334	251	126	702	95		
Total	4,988	5,253	5,290	4,804	15,186	5,223	3,869	5,391	6,565	20,119	4,598

Table 10. Age composition of coho salmon from Yakutat area commercial gillnet fisheries, 1983.

Fishery	Sample Size	Total Catch	Percent Composition		
			1978 3.1	1977 2.1	1976 1.1
East Alsek	600	4,988	0.17	44.17	55.67
Alsek	536	5,253	0.93	56.72	42.35
Akwe	571	5,290	1.05	53.24	45.71
Italio	219	4,808	0.45	30.91	68.64
Situk	597	15,186	0.34	37.35	62.31
Lost	532	5,223	0.75	44.55	54.70
Yakutat Bay	485	3,73	1.03	57.73	41.24
Manby Shore	328	5,391	1.83	63.72	34.45
Yahtse	207	6,565	2.90	61.35	35.75
Tsiu	527	20,119	1.71	47.63	50.66
Kaliakh	578	4,598	1.21	57.04	41.70

Table 11. Yakutat area commercial gillnet harvest of chum salmon by fishery and week, 1983.

Number of Fish by Fishery							
Week	East Alsek	Alsek	Akwe	Italio	Situk	Lost	Yakutat Bay
6/12-6/18							113
6/19-6/25	1						26
6/26-7/02	1		2				7
7/03-7/09							39
7/10-7/16	2		5	11	1		8
7/17-7/23	15		20	38	1		6
7/24-7/30	76	1	16	63	5		61
7/31-8/06	309	2	20	128	25		41
8/07-8/13	494	11	3	251	16	2	22
8/14-8/20	2,122	2		60	18	2	81
8/21-8/27	1,254	9		4	12		3
8/28-9/03	3,136	34	4	22	32	2	22
9/04-9/10	691	102	1	13	15	1	1
9/11-9/17	965	165	3	13	111	2	
9/18-9/24	305	105			2		1
9/25-10/01	21	1		2	2		
<b>Total</b>	<b>9,392</b>	<b>432</b>	<b>74</b>	<b>605</b>	<b>240</b>	<b>9</b>	<b>431</b>

Table 12. Age composition of chum salmon from the East Alsek River commercial gillnet fishery and escapement, 1983.

	Sample Size	Total	Percent Composition by Brood Year and Age Class			
			1979	1978	1977	1975
			0.5	0.4	0.3	0.2
Catch	364	9,392	1.67	7.45	70.74	20.13
Escapement	163	10,000 <sup>1</sup>		6.13	80.98	12.88

<sup>1</sup> Aerial survey. Peak estimate.

Table 13. Yakutat area commercial gillnet harvest of pink salmon by fishery and week, 1983.

Week	Number of Fish by Fishery								
	East Alsek	Alsek	Akwe	Italio	Situk	Lost	Yakutat Bay	Manby Shore	Yahtse
6/12-6/18							60		
6/19-6/25					1		8		
6/26-7/02		1			3		9	2	
7/03-7/09	5		11		115	3	90		
7/10-7/16	5		9	45	139	31	312	139	
7/17-7/23	19	1	50	77	670	6	599		
7/24-7/30	46	6	42	83	711	40	1,265		
7/31-8/06	54	2	30	85	3,240	446	2,531		
8/07-8/13	30		10	119	866	455	555		
8/14-8/20	114	2		12	958	293	5,675		
8/21-8/27	86	2		18	120	215	4,443		
8/28-9/03				6	39	65	289		
9/04-9/10							1		
9/11-9/17					1			1	2
9/18-9/24		6					2		
9/25-10/01					1		1		
<b>Total</b>	<b>359</b>	<b>20</b>	<b>152</b>	<b>445</b>	<b>6,864</b>	<b>1,554</b>	<b>15,840</b>	<b>142</b>	<b>2</b>

Age 1.3 fish<sup>1</sup> were the most abundant (range of 46% to 75%) in the Alsek, Akwe, and Situk River fisheries (Table 5). Age 1.4 fish comprised a large portion (39%) of the Alsek River catch. Zero-freshwater age fish<sup>2</sup> were abundant only in the Yakutat Bay catch (age 0.2 and 0.3 fish comprised 24% of the catch). The presence of 0-freshwater age chinook salmon in Alaskan catches is thought to indicate the presence of non-Alaskan fish (i.e., fish destined for British Columbia, Washington, Oregon, or California) (Van Alen and Woods 1983).

### Sockeye Salmon

Sockeye salmon catches and escapements were at, or above, recent levels in all fisheries except the Situk River. Total inshore return to the Situk River (approximately 86,000 fish) was well below anticipated levels<sup>3</sup>. The East Alsek River experienced another strong return of approximately 145,000 fish.

Age 1.3 fish dominated most Yakutat area fisheries and escapements. However, large numbers of 0-freshwater age fish were present in catches from the East Alsek, Akwe, Italo, and Yakutat Bay fisheries; and in escapements from the East Alsek, Akwe, and Lost Rivers. The East Alsek River sockeye salmon return is unique in that most of the entire return is composed of 0-freshwater age fish. Large numbers of 2-freshwater age sockeye, primarily age 2.3 fish, were found in catches from the Situk, Lost, Yakutat Bay, and Manby Shore fisheries; and in the Situk River escapement.

Age composition data provides clues as to the stock structure of some of these fisheries. Zero-freshwater age fish were present in the catches of several in-river fisheries (the Alsek, Italo, and Situk River fisheries); but were absent in the corresponding escapement samples. These differences are probably attributable to lower river spawning populations that were not available to the escapement sampling effort. Analysis of age composition data, particularly the presence of age 2.3 fish, indicates that Situk River stocks were the primary contributors to the Lost River, Yakutat Bay, and Manby Shore fisheries. Temporal trends in age composition of the Yakutat Bay catch indicated that stock structure changed over the course of the season. Early in the fishery, age 1.3 and 2.3 fish were the predominant age classes and were presumably bound for the Situk River. Later in the fishery, the proportion of age 0.3 fish increased and were presumably bound for the East Alsek River.

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<sup>1</sup> European formula: The first numeral refers to the number of years of freshwater residence after emergence. The second number refers to the number of years of marine residence. Total age is the summation of these two numbers plus one.

<sup>2</sup> These fish presumably outmigrate as fry in the spring of emergence from the gravel as opposed to the more common life history of 1-freshwater age fish which rear in the freshwater environment for 1 year.

<sup>3</sup> The predominant age of return for Situk River sockeye salmon is 5 years. The escapement to the Situk River in 1978 was approximately 147,000 fish.

### Coho Salmon

Yakutat area coho salmon catches were generally below recent levels. Poor catches were primarily due to less-than-anticipated returns although inclement weather hampered some fishing effort. Most catches were composed of approximately equal proportions of age 2.1 and 3.1 fish.

### Chum Salmon

The East Alsek River is the only significant producer of chum salmon in the Yakutat area. The 1983 East River return was above recent levels. Age 0.3 fish were most abundant in both the catch (71%) and escapement (81%). Temporal trends in age composition of the catch were evident as the population of age 0.2 fish increased over time.

### CONTRIBUTORS

This data report represents the efforts of a large number of people who carried out the collection, processing, and analysis of these data. Following are the names of the major contributors not specifically cited in the text: Dr. John E. Clark (computer programming); Mr. Peter Etherton (Klukshu and Tatshenshini River age, sex, and size data); Mr. Kurt Iverson (collection of commercial catch age, sex, and size data); Mr. Scott McPherson (coho age data); Mr. Joe Muir (Alaskan commercial catch data); Ms. Renatte Riffe (collection of commercial catch age, sex, and size data); Mr. Samuel Sharr (computer programming); Ms. Eileen Sturrock (chinook age data); Mr. Ben Van Alen (chinook age data); and Mr. Gordon Woods (collection of commercial catch and escapement data).

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APPENDICES

Appendix Table A1. Numbered calendar weeks (i.e., stat weeks) used to report commercial catches, 1983.

WEEK NUMBER	FROM	THROUGH
1	JAN 1	JAN 1
2	JAN 2	JAN 8
3	JAN 9	JAN 15
4	JAN 16	JAN 22
5	JAN 23	JAN 29
6	JAN 30	FEB 5
7	FEB 6	FEB 12
8	FEB 13	FEB 19
9	FEB 20	FEB 26
10	FEB 27	MAR 5
11	MAR 6	MAR 12
12	MAR 13	MAR 19
13	MAR 20	MAR 26
14	MAR 27	APR 2
15	APR 3	APR 9
16	APR 10	APR 16
17	APR 17	APR 22
18	APR 24	APR 30
19	MAY 1	MAY 7
20	MAY 8	MAY 14
21	MAY 15	MAY 21
22	MAY 22	MAY 28
23	MAY 30	JUN 4
24	JUN 5	JUN 11
25	JUN 12	JUN 18
26	JUN 19	JUN 25
27	JUN 26	JUL 2
28	JUL 3	JUL 9
29	JUL 10	JUL 16
30	JUL 17	JUL 23
31	JUL 24	JUL 30
32	JUL 31	AUG 6
33	AUG 7	AUG 13
34	AUG 14	AUG 20
35	AUG 21	AUG 27
36	AUG 28	SEP 3
37	SEP 4	SEP 10
38	SEP 11	SEP 17
39	SEP 18	SEP 24
40	SEP 25	OCT 1
41	OCT 2	OCT 8
42	OCT 9	OCT 15
43	OCT 16	OCT 22
44	OCT 23	OCT 29
45	OCT 30	NOV 5
46	NOV 6	NOV 12
47	NOV 13	NOV 19
48	NOV 20	NOV 26
49	NOV 27	DEC 3
50	DEC 4	DEC 10
51	DEC 11	DEC 17
52	DEC 18	DEC 24
53	DEC 25	DEC 31

Appendix Table B1. East Alsek River commercial gillnet catch of salmon, number of hours fished, and number of fishermen by period, 1983.

Week	Hours	Boats	Number of Fish					
			Chinook	Sockeye	Coho	Pink	Chum	
6/19-6/25	48	5	5	97				1
6/26-7/02	48	7	1	618				1
7/03-7/09	48	16	22	1,758			5	
7/10-7/16	48	21	6	3,683	2		5	2
7/17-7/23	48	34	1	13,027	11		19	15
7/24-7/30	48	37		11,469	30		46	76
7/31-8/06	36	42	1	16,775	21		54	309
8/07-8/13	48	35		8,358	71		30	494
8/14-8/20	48	38		15,914	373		114	2,122
8/21-8/27	48	22		6,960	732		86	1,254
8/28-9/03	48	21		1,963	1,437			3,136
9/04-9/10	48	9		527	1,073			691
9/11-9/17	48	8		52	667			965
9/18-9/24	48	5			376			305
9/25-10/1	96	2			195			21
<b>TOTAL</b>			<b>36</b>	<b>81,201</b>	<b>4,988</b>		<b>359</b>	<b>9,392</b>

Appendix Table B2. East Alsek River commercial gillnet catch and effort of sockeye salmon by location and week, 1983.

Week	In-river		Surf		Total	
	Boats	Catch	Boats	Catch	Boats	Catch
6/19-6/25	4	78	1	19	5	97
6/26-7/02	6	162	1	456	7	618
7/03-7/09	12	1,003	4	755	16	1,758
7/10-7/16	19	3,543	2	140	21	3,683
7/17-7/23	32	12,885	2	142	34	13,027
7/24-7/30	22	6,731	15	4,738	37	11,469
7/31-8/06	30	10,301	12	6,474	42	16,775
8/07-8/13	33	6,928	22	1,430	55	8,358
8/14-8/20	35	12,457	3	3,457	38	15,914
8/21-8/27	20	5,964	2	996	22	6,960
8/28-9/03	21	1,963			21	1,963
9/04-9/10	9	527			9	527
9/11-9/17	8	52			8	52
9/18-9/24	5				5	
9/25-10/1	2				2	
<b>TOTAL</b>		<b>62,594</b>		<b>18,607</b>		<b>81,201</b>

Appendix Table B3. East Alsek River escapement of salmon, 1983<sup>1</sup>.

Area	Period Dates	Chinook	Sockeye	Coho	Pink	Chum
East Alsek	-		65,000 <sup>2</sup>	300		10,000 <sup>2</sup>
Doame River	-			3,000		

<sup>1</sup> Aerial surveys.

<sup>2</sup> Peak counts.

Appendix Table B4. East Alsek River commercial gillnet catch of sockeye salmon, sex and age class by fishing period, 1983.

6/19-7/09								
	2.3	0.4	1.3	Age Class 2.2	0.3	1.2	0.2	TOTAL
<b>Males</b>								
Sample Number	1	0	15	1	89	1	6	113
Percent	0.42	0.00	6.36	0.42	37.71	0.42	2.54	47.88
Number in Catch	10	0	157	10	933	10	63	1184
<b>Females</b>								
Sample Number	2	0	12	1	106	1	1	123
Percent	0.85	0.00	5.08	0.42	44.92	0.42	0.42	52.12
Number in Catch	21	0	126	10	1111	10	10	1289
<b>Sexes Combined</b>								
Sample Number	3	0	27	2	195	2	7	236
Percent	1.27	0.00	11.44	0.85	82.63	0.85	2.97	100.00
Number in Catch	31	0	283	21	2043	21	73	2473
Standard Error	18		51	45	61	45	27	
7/10-7/16								
	2.3	0.4	1.3	Age Class 2.2	0.3	1.2	0.2	TOTAL
<b>Males</b>								
Sample Number	0	0	2	0	64	0	5	71
Percent	0.00	0.00	1.15	0.00	36.78	0.00	2.87	40.80
Number in Catch	0	0	42	0	1355	0	106	1503
<b>Females</b>								
Sample Number	0	0	8	1	90	3	1	103
Percent	0.00	0.00	4.60	0.57	51.72	1.72	0.57	59.20
Number in Catch	0	0	169	21	1905	64	21	2180
<b>Sexes Combined</b>								
Sample Number	0	0	10	1	154	3	6	174
Percent	0.00	0.00	5.75	0.57	88.51	1.72	3.45	100.00
Number in Catch	0	0	212	21	3260	64	127	3683
Standard Error			65	21	99	36	51	
7/17-7/23								
	2.3	0.4	1.3	Age Class 2.2	0.3	1.2	0.2	TOTAL
<b>Males</b>								
Sample Number	0	0	6	0	91	0	10	107
Percent	0.00	0.00	2.26	0.00	34.34	0.00	3.77	40.38
Number in Catch	0	0	295	0	4473	0	492	5260
<b>Females</b>								
Sample Number	0	0	10	0	145	1	2	158
Percent	0.00	0.00	3.77	0.00	54.72	0.38	0.75	59.62
Number in Catch	0	0	492	0	7128	49	98	7767
<b>Sexes Combined</b>								
Sample Number	0	0	16	0	236	1	12	265
Percent	0.00	0.00	6.04	0.00	89.06	0.38	4.53	100.00
Number in Catch	0	0	787	0	11601	49	590	13027
Standard Error			191		250	49	166	
7/24-7/30								
	2.3	0.4	1.3	Age Class 2.2	0.3	1.2	0.2	TOTAL
<b>Males</b>								
Sample Number	0	0	8	0	106	5	6	125
Percent	0.00	0.00	2.88	0.00	38.13	1.80	2.16	44.96
Number in Catch	0	0	330	0	4373	206	248	5157
<b>Females</b>								
Sample Number	0	0	4	0	146	1	2	153
Percent	0.00	0.00	1.44	0.00	52.52	0.36	0.72	55.04
Number in Catch	0	0	165	0	6023	41	83	6312
<b>Sexes Combined</b>								
Sample Number	0	0	12	0	252	6	8	278
Percent	0.00	0.00	4.32	0.00	90.65	2.16	2.88	100.00
Number in Catch	0	0	495	0	10396	248	330	11469
Standard Error			140		200	100	115	

(Continued)

Appendix Table B4. East Alsek River commercial gillnet catch of sockeye salmon, sex and age class by fishing period, 1983 (continued).

7/31-8/06								
	2.3	0.4	1.3	Age Class			0.2	TOTAL
				2.2	0.3	1.2		
<b>Males</b>								
Sample Number	0	0	2	0	80	4	3	89
Percent	0.00	0.00	0.84	0.00	33.76	1.69	1.27	37.55
Number in Catch	0	0	142	0	5662	283	212	6299
<b>Females</b>								
Sample Number	0	0	7	0	137	3	1	148
Percent	0.00	0.00	2.95	0.00	57.81	1.27	0.42	62.45
Number in Catch	0	0	495	0	9697	212	71	10476
<b>Sexes Combined</b>								
Sample Number	0	0	9	0	217	7	4	237
Percent	0.00	0.00	3.80	0.00	91.56	2.95	1.69	100.00
Number in Catch	0	0	637	0	15359	495	283	16775
Standard Error			208		303	184	140	
8/0/-8/13								
	2.3	0.4	1.3	Age Class			0.2	TOTAL
				2.2	0.3	1.2		
<b>Males</b>								
Sample Number	0	0	2	0	46	0	8	56
Percent	0.00	0.00	1.71	0.00	39.32	0.00	6.84	47.86
Number in Catch	0	0	143	0	3286	0	571	4000
<b>Females</b>								
Sample Number	0	1	2	0	57	1	0	61
Percent	0.00	0.85	1.71	0.00	48.72	0.85	0.00	52.14
Number in Catch	0	71	143	0	4072	71	0	4358
<b>Sexes Combined</b>								
Sample Number	0	1	4	0	103	1	8	117
Percent	0.00	0.85	3.42	0.00	88.03	0.85	6.84	100.00
Number in Catch	0	71	286	0	7358	71	571	8358
Standard Error		71	140		307	71	195	
8/14-9/17								
	2.3	0.4	1.3	Age Class			0.2	TOTAL
				2.2	0.3	1.2		
<b>Males</b>								
Sample Number	0	0	5	0	43	1	8	57
Percent	0.00	0.00	3.47	0.00	29.86	0.69	5.56	39.58
Number in Catch	0	0	883	0	7590	177	1412	10060
<b>Females</b>								
Sample Number	0	0	4	0	77	2	4	87
Percent	0.00	0.00	2.78	0.00	53.47	1.39	2.78	60.42
Number in Catch	0	0	706	0	13591	353	706	15356
<b>Sexes Combined</b>								
Sample Number	0	0	9	0	120	3	12	144
Percent	0.00	0.00	6.25	0.00	83.33	2.08	8.33	100.00
Number in Catch	0	0	1589	0	21180	530	2118	25416
Standard Error			1644		2532	969	1877	
Periods Combined								
	2.3	0.4	1.3	Age Class			0.2	TOTAL
				2.2	0.3	1.2		
<b>Males</b>								
Sample Number	1	0	40	1	519	11	46	618
Percent	0.01	0.00	2.45	0.01	34.08	0.83	3.82	41.21
Number in Catch	10	0	1991	10	27672	676	3104	33464
<b>Females</b>								
Sample Number	2	1	47	2	758	12	11	833
Percent	0.03	0.09	2.83	0.04	53.60	0.99	1.22	58.79
Number in Catch	21	71	2296	32	43526	801	989	47737
<b>Sexes Combined</b>								
Sample Number	3	1	87	3	1277	23	57	1451
Percent	0.04	0.09	5.28	0.05	87.68	1.82	5.04	100.00
Number in Catch	31	71	4287	42	71198	1478	4093	81201
Standard Error	18	71	1682	50	2591	997	1904	

Appendix Table B5. East Alsek River escapement of sockeye salmon, sex and age class by sample period, 1983.

Periods Combined	Age Class					TOTAL
	1.3	0.3	1.2	0.2	0.1	
<b>Males</b>						
Sample Number	7	129	0	15	1	152
Percent	1.62	29.79	0.00	3.46	0.23	35.10
<b>Females</b>						
Sample Number	4	254	2	21	0	281
Percent	0.92	58.66	0.46	4.85	0.00	64.90
<b>Sexes Combined</b>						
Sample Number	11	383	2	36	1	433
Percent	2.54	88.45	0.46	8.31	0.23	100.00
Standard Error	0.77	1.54	.32	1.33	0.23	

Appendix Table B6. East Alsek River commercial gillnet catch of coho salmon, sex and age class by fishing period, 1983.

Periods Combined	Age Class			TOTAL
	3.1	2.1	1.1	
<b>Males</b>				
Sample Number	0	126	201	327
Percent	0.00	21.00	33.50	54.50
Number in Catch	0	1047	1671	2718
<b>Females</b>				
Sample Number	1	139	133	273
Percent	0.17	23.17	22.17	45.50
Number in Catch	8	1156	1106	2270
<b>Sexes Combined</b>				
Sample Number	1	265	334	600
Percent	0.17	44.17	55.67	100.00
Number in Catch	8	2203	2777	4988
Standard Error	8	101	101	

Appendix Table B7. East Alsek River commercial gillnet catch of chum salmon, sex and age class by fishing period, 1983.

6/19-8/20					
	Age Class				
	0.5	0.4	0.3	0.2	TOTAL
<b>Males</b>					
Sample Number	0	25	121	17	163
Percent	0.00	10.29	49.79	7.00	67.08
Number in Catch	0	311	1504	211	2026
<b>Females</b>					
Sample Number	0	5	67	8	80
Percent	0.00	2.06	27.57	3.29	32.92
Number in Catch	0	62	833	99	994
<b>Sexes Combined</b>					
Sample Number	0	30	188	25	243
Percent	0.00	12.35	77.37	10.29	100.00
Number in Catch	0	373	2336	311	3020
Standard Error		64	81	59	
<b>8/21-9/03</b>					
	Age Class				
	0.5	0.4	0.3	0.2	TOTAL
<b>Males</b>					
Sample Number	0	0	12	1	13
Percent	0.00	0.00	42.86	3.57	46.43
Number in Catch	0	0	1881	157	2038
<b>Females</b>					
Sample Number	1	1	8	5	15
Percent	3.57	3.57	28.57	17.86	53.57
Number in Catch	157	157	1254	784	2352
<b>Sexes Combined</b>					
Sample Number	1	1	20	6	28
Percent	3.57	3.57	71.43	21.43	100.00
Number in Catch	157	157	3136	941	4390
Standard Error	154	154	375	340	
<b>9/04-9/24</b>					
	Age Class				
	0.5	0.4	0.3	0.2	TOTAL
<b>Males</b>					
Sample Number	0	2	25	23	50
Percent	0.00	2.15	26.88	24.73	53.76
Number in Catch	0	43	533	490	1066
<b>Females</b>					
Sample Number	0	6	30	7	43
Percent	0.00	6.45	32.26	7.53	46.24
Number in Catch	0	128	639	149	916
<b>Sexes Combined</b>					
Sample Number	0	8	55	30	93
Percent	0.00	8.60	59.14	32.26	100.00
Number in Catch	0	170	1172	639	1982
Standard Error		58	101	96	
<b>Periods Combined</b>					
	Age Class				
	0.5	0.4	0.3	0.2	TOTAL
<b>Males</b>					
Sample Number	0	27	158	41	226
Percent	0.00	3.76	41.72	9.14	54.62
Number in Catch	0	353	3918	858	5130
<b>Females</b>					
Sample Number	1	12	105	20	138
Percent	1.67	3.69	29.03	10.99	45.38
Number in Catch	157	347	2726	1033	4262
<b>Sexes Combined</b>					
Sample Number	1	39	263	61	364
Percent	1.67	7.45	70.74	20.13	100.00
Number in Catch	157	700	6644	1891	9392
Standard Error	154	177	397	358	

Appendix Table B8. East Alsek River escapement of chum salmon, sex and age class by sample period, 1983.

Periods Combined	Age Class			TOTAL
	0.4	0.3	0.2	
<b>Males</b>				
Sample Number	4	47	5	56
Percent	2.45	28.83	3.07	34.36
<b>Females</b>				
Sample Number	6	85	16	107
Percent	3.68	52.15	9.82	65.64
<b>Sexes Combined</b>				
Sample Number	10	132	21	163
Percent	6.13	80.98	12.88	100.00
Standard Error	1.88	3.08	2.63	

Appendix Table C1. Alsek River commercial gillnet catch of salmon, number of hours fished, and number of fishermen, by period, 1983.

Week	Hours	Boats	Number of Fish					
			Chinook	Sockeye	Coho	Pink	Chum	
6/19-6/25	48	20	72	1,200				
6/26-7/02	48	21	15	2,529		1		
7/03-7/09	48	23	5	2,301				
7/10-7/16	48	16	2	3,675				
7/17-7/23	48	16		2,631		1		
7/24-7/30	48	19		4,775	1	6		1
7/31-8/06	72	11		926	5	2		2
8/07-8/13	72	7		269	5			11
8/14-8/20	72	6		123	64	2		2
8/21-8/27	72	6		38	165	2		9
8/28-9/03	72	9		43	538			34
9/04-9/10	72	15		29	974			102
9/11-9/17	72	15		7	1,373			165
9/18-9/24	72	12			1,750	6		105
9/25-10/1	96	5			378			1
<b>TOTAL</b>			<b>94</b>	<b>18,546</b>	<b>5,253</b>	<b>20</b>		<b>432</b>

Appendix Table C2. Alsek River escapement of salmon, 1983<sup>1</sup>.

Area	Period Dates	Chinook	Sockeye	Coho	Pink	Chum
Above Commercial Fishery <sup>2</sup>	06/30-07/30		55,662			
Kluckshu Weir	06/26-10/28	2,537	20,492	303		
Muddy Creek <sup>3</sup>	08/20		2,500			
	09/18		450			
	10/10			2,000		
Cabin Creek <sup>3</sup>	08/20		35			
	10/10			750		
Basin Creek <sup>3</sup>	08/29		750			
	10/10			150		

<sup>1</sup> All data are peak aerial surveys except for Kluckshu weir counts. These aerial surveys are peak counts and do not represent complete enumeration of escapement to that stream. Also, not all spawning tributaries in the Alsek River system are surveyed. For these reasons, these numbers are considered indices of escapement.

<sup>2</sup> Tagging study (McBride and Bernard 1984).

<sup>3</sup> Aerial surveys.

Appendix Table C3. Klukshu River escapement of salmon by day through the Klukshu weir, 1983.

Date	Chinook	Sockeye	Coho												
06/26		1		07/28	104	34		08/29	1	837		09/30		403	21
06/27				07/29	20	72		08/30	3	1,508		10/01		289	46
06/28		9		07/30	4	127		08/31	1	53		10/02		63	21
06/29		3		07/31	4	67		09/01	2	197		10/03		1	
06/30				08/01	44	143		09/02	3	1,325		10/04			
07/01		24		08/02	25	67		09/03	1	137		10/05			9
07/02		8		08/03	19	38		09/04		185		10/06			9
07/03		75		08/04	12	45		09/05		133		10/07			
07/04	1	65		08/05	6	75		09/06	1	312		10/08			
07/05	12	314		08/06		20		09/07	1	225		10/09			
07/06	31	526		08/07	1	1		09/08		311		10/10		3	2
07/07	128	122		08/08	1	74		09/09		4		10/11		962	158
07/08	53	75		08/09	6	9		09/10		1		10/12		56	22
07/09	12	63		08/10	5	82		09/11				10/13			2
07/10	7	279		08/11	10	34		09/12		1		10/14			
07/11	91	445		08/12	2	32		09/13		1		10/15			
07/12	442	258		08/13		5		09/14				10/16			
07/13	114	248		08/14		22		09/15		1		10/17			
07/14	207	426		08/15		225		09/16				10/18			
07/15	14	54		08/16		109		09/17	1			10/19			
07/16	16	229		08/17	3	55		09/18				10/20			
07/17	11	279		08/18	5	119		09/19				10/21			
07/18	64	392		08/19	2	114		09/20	1	3		10/22			
07/19	463	489		08/20		5		09/21	2	1,137	1	10/23			
07/20	142	65		08/21	2	150		09/22		172	1	10/24			
07/21	65	121		08/22	1	457		09/23		137	8	10/25		4	
07/22	110	140		08/23	9	1,136		09/24		2		10/26			
07/23	13	45		08/24	1	462		09/25				10/27		2	16
07/24	17	114		08/25	3	232		09/26				10/28			
07/25	76	137		08/26	5	2,198		09/27				Total	2,537	20,492	303
07/26	22	27		08/27	3	446		09/28		2					
07/27	112	67		08/28		202		09/29		68					

Appendix Table C4. Alsek River commercial gillnet catch of chinook salmon, sex and age class by fishing period, 1983.

Periods Combined	Age Class				TOTAL
	1.4	2.3	1.3	1.2	
<b>Males</b>					
Sample Number	7	1	12	5	25
Percent	17.07	2.44	29.27	12.20	60.98
Number in Catch	16	2	28	11	57
<b>Females</b>					
Sample Number	9	0	7	0	16
Percent	21.95	0.00	17.07	0.00	39.02
Number in Catch	21	0	16	0	37
<b>Sexes Combined</b>					
Sample Number	16	1	19	5	41
Percent	39.02	2.44	46.34	12.20	100.00
Number in Catch	37	2	44	11	94
Standard Error	7	2	7	5	

Appendix Table C5. Tatshenshini River sport catch of chinook salmon, sex and age group by fishing period, 1983.

Periods Combined	Age Class			TOTAL
	1.4	1.3	1.2	
<b>Males</b>				
Sample Number	5	15	2	22
Percent	8.93	26.79	3.57	39.29
Number in Catch	22	67	9	98
<b>Females</b>				
Sample Number	7	27	0	34
Percent	12.50	48.21	0.00	60.71
Number in Catch	31	121	0	152
<b>Sexes Combined</b>				
Sample Number	12	42	2	56
Percent	21.43	75.00	3.57	100.00
Number in Catch	54	188	9	250
Standard Error	14	14	6	

Appendix Table C6. Klukshu River escapement of chinook salmon, sex and age class by sampling period, 1983.

Periods Combined	Age Class				TOTAL
	1.4	1.3	1.2	1.1	
<b>Males</b>					
Sample Number	4	15	2	1	22
Percent	16.67	62.50	8.33	4.17	91.67
Number in Catch	423	1586	211	106	2326
<b>Females</b>					
Sample Number	1	0	1	0	2
Percent	4.17	0.00	4.17	0.00	8.33
Number in Catch	106	0	106	0	211
<b>Sexes Combined</b>					
Sample Number	5	15	3	1	24
Percent	20.83	62.50	12.50	4.17	100.00
Number in Catch	529	1586	317	106	2537
Standard Error	210	251	171	104	

Appendix Table C7. Alesek River commercial gillnet catch of sockeye salmon, sex and age class by fishing period, 1983.

6/19-6/25								
	1.4	2.3	1.3	Age Class 2.2	0.3	1.2	0.2	TOTAL
<b>Males</b>								
Sample Number	0	2	73	0	4	0	1	80
Percent	0.00	1.37	50.00	0.00	2.74	0.00	0.68	54.79
Number in Catch	0	16	600	0	33	0	8	658
<b>Females</b>								
Sample Number	1	3	58	0	4	0	0	66
Percent	0.68	2.05	39.73	0.00	2.74	0.00	0.00	45.21
Number in Catch	8	25	477	0	33	0	0	542
<b>Sexes Combined</b>								
Sample Number	1	5	131	0	8	0	1	146
Percent	0.68	3.42	89.73	0.00	5.48	0.00	0.68	100.00
Number in Catch	8	41	1077	0	66	0	8	1200
Standard Error	8	18	30		23		8	
6/26-7/02								
	1.4	2.3	1.3	Age Class 2.2	0.3	1.2	0.2	TOTAL
<b>Males</b>								
Sample Number	0	1	202	0	10	15	4	232
Percent	0.00	0.26	52.20	0.00	2.58	3.88	1.03	59.95
Number in Catch	0	7	1320	0	65	98	26	1516
<b>Females</b>								
Sample Number	0	1	144	0	7	3	0	155
Percent	0.00	0.26	37.21	0.00	1.81	0.78	0.00	40.05
Number in Catch	0	7	941	0	46	20	0	1013
<b>Sexes Combined</b>								
Sample Number	0	2	346	0	17	18	4	387
Percent	0.00	0.52	89.41	0.00	4.39	4.65	1.03	100.00
Number in Catch	0	13	2261	0	111	118	26	2529
Standard Error		9	40		26	27	13	
7/03-7/09								
	1.4	2.3	1.3	Age Class 2.2	0.3	1.2	0.2	TOTAL
<b>Males</b>								
Sample Number	0	0	126	0	5	17	3	151
Percent	0.00	0.00	41.72	0.00	1.66	5.63	0.99	50.00
Number in Catch	0	0	960	0	38	130	23	1151
<b>Females</b>								
Sample Number	0	1	131	0	12	5	2	151
Percent	0.00	0.33	43.38	0.00	3.97	1.66	0.66	50.00
Number in Catch	0	8	998	0	91	38	15	1151
<b>Sexes Combined</b>								
Sample Number	0	1	257	0	17	22	5	302
Percent	0.00	0.33	85.10	0.00	5.63	7.28	1.66	100.00
Number in Catch	0	8	1958	0	130	168	38	2301
Standard Error		7	47		30	34	17	

(Continued)

Appendix Table C7. Alesek River commercial gillnet catch of sockeye salmon, sex and age class by fishing period, 1983 (continued).

7/10-7/16								
	1.4	2.3	1.3	Age Class 2.2	0.3	1.2	0.2	TOTAL
<b>Males</b>								
Sample Number	1	0	133	0	4	5	0	143
Percent	0.36	0.00	48.36	0.00	1.45	1.82	0.00	52.00
Number in Catch	13	0	1777	0	53	67	0	1911
<b>Females</b>								
Sample Number	0	0	130	0	2	0	0	132
Percent	0.00	0.00	47.27	0.00	0.73	0.00	0.00	48.00
Number in Catch	0	0	1737	0	27	0	0	1764
<b>Sexes Combined</b>								
Sample Number	1	0	263	0	6	5	0	275
Percent	0.36	0.00	95.64	0.00	2.18	1.82	0.00	100.00
Number in Catch	13	0	3515	0	80	67	0	3675
Standard Error	13		45		32	30		
7/11-7/23								
	1.4	2.3	1.3	Age Class 2.2	0.3	1.2	0.2	TOTAL
<b>Males</b>								
Sample Number	0	0	86	1	4	20	7	118
Percent	0.00	0.00	31.73	0.37	1.48	7.38	2.58	43.54
Number in Catch	0	0	835	10	39	194	68	1146
<b>Females</b>								
Sample Number	0	0	132	0	12	8	1	153
Percent	0.00	0.00	48.71	0.00	4.43	2.95	0.37	56.46
Number in Catch	0	0	1282	0	117	78	10	1485
<b>Sexes Combined</b>								
Sample Number	0	0	218	1	16	28	8	271
Percent	0.00	0.00	80.44	0.37	5.90	10.33	2.95	100.00
Number in Catch	0	0	2116	10	155	272	78	2631
Standard Error			63	8	38	49	27	

-Continued-

Appendix Table C7. Alesek River commercial gillnet catch of sockeye salmon, sex and age class by fishing period, 1983 (continued).

7/24-7/30								
	1.4	2.3	1.3	Age Class 2.2	0.3	1.2	0.2	TOTAL
<b>Males</b>								
Sample Number	0	0	93	0	6	11	4	114
Percent	0.00	0.00	36.47	0.00	2.35	4.31	1.57	44.71
Number in Catch	0	0	1741	0	112	206	75	2135
<b>Females</b>								
Sample Number	0	0	120	0	14	7	0	141
Percent	0.00	0.00	47.06	0.00	5.49	2.75	0.00	55.29
Number in Catch	0	0	2247	0	262	131	0	2640
<b>Sexes Combined</b>								
Sample Number	0	0	213	0	20	18	4	255
Percent	0.00	0.00	83.53	0.00	7.84	7.06	1.57	100.00
Number in Catch	0	0	3989	0	375	337	75	4775
Standard Error			111		80	77	37	
7/31-9/1/								
	1.4	2.3	1.3	Age Class 2.2	0.3	1.2	0.2	TOTAL
<b>Males</b>								
Sample Number	0	1	101	1	5	19	2	129
Percent	0.00	0.27	26.93	0.27	1.33	5.07	0.53	34.40
Number in Catch	0	4	391	4	19	74	8	500
<b>Females</b>								
Sample Number	0	1	212	1	15	16	1	246
Percent	0.00	0.27	56.53	0.27	4.00	4.27	0.27	65.60
Number in Catch	0	4	821	4	58	62	4	953
<b>Sexes Combined</b>								
Sample Number	0	2	313	2	20	35	3	375
Percent	0.00	0.53	83.47	0.53	5.33	9.33	0.80	100.00
Number in Catch	0	8	1213	8	77	136	12	1453
Standard Error		5	28	5	17	22	7	
Periods Combined								
	1.4	2.3	1.3	Age Class 2.2	0.3	1.2	0.2	TOTAL
<b>Males</b>								
Sample Number	1	4	814	2	38	87	21	967
Percent	0.07	0.14	41.08	0.07	1.94	4.14	1.12	48.56
Number in Catch	13	27	7625	14	360	768	208	9015
<b>Females</b>								
Sample Number	1	6	927	1	66	39	4	1044
Percent	0.04	0.23	45.80	0.02	3.41	1.77	0.16	51.44
Number in Catch	8	43	8503	4	634	328	29	9549
<b>Sexes Combined</b>								
Sample Number	2	10	1741	3	104	126	25	2011
Percent	0.12	0.37	86.88	0.09	5.35	5.91	1.27	100.00
Number in Catch	22	70	16128	17	994	1097	237	18564
Standard Error	15	22	154	9	106	108	52	

Appendix Table C8. Klukshu River subsistence catch of sockeye salmon, sex and age class by fishing period, 1983.

Periods Combined	Age Class		TOTAL
	1.3	1.2	
<b>Males</b>			
Sample Number	6	5	11
Percent	20.00	16.67	36.67
Number in Catch	470	392	862
<b>Females</b>			
Sample Number	19	0	19
Percent	63.33	0.00	63.33
Number in Catch	1488	0	1488
<b>Sexes Combined</b>			
Sample Number	25	5	30
Percent	83.33	16.67	100.00
Number in Catch	1958	392	2350
Standard Error	160	160	

Appendix Table C9. Tatshenshini River sport catch of sockeye salmon, sex and age class by fishing period, 1983.

Periods Combined	Age Group		TOTAL
	1.3	1.2	
<b>Males</b>			
Sample Number	136	10	146
Percent	44.30	3.26	47.56
Number in Catch	337	25	361
<b>Females</b>			
Sample Number	155	6	161
Percent	50.49	1.95	52.44
Number in Catch	384	15	399
<b>Sexes Combined</b>			
Sample Number	291	16	307
Percent	94.79	5.21	100.00
Number in Catch	720	40	760
Standard Error	10	10	

Appendix Table C10. Klukshu River escapement of sockeye salmon, sex and age class by sample period, 1983.

Periods Combined	Age Class			TOTAL
	1.3	1.2	0.2	
<b>Males</b>				
Sample Number	114	20	1	135
Percent	32.76	5.75	0.29	38.79
Number in Catch	6713	1178	59	7949
<b>Females</b>				
Sample Number	199	14	0	213
Percent	57.18	4.02	0.00	61.21
Number in Catch	11718	824	0	12543
<b>Sexes Combined</b>				
Sample Number	313	34	1	348
Percent	89.94	9.77	0.29	100.00
Number in Catch	18431	2002	59	20492
Standard Error	330	326	59	

Appendix Table C11. Alsek River commercial gillnet catch of coho salmon, sex and age class by fishing period, 1983.

Periods Combined	Age Class			TOTAL
	3.1	2.1	1.1	
<b>Males</b>				
Sample Number	3	159	137	299
Percent	0.56	29.66	25.56	55.78
Number in Catch	29	1558	1343	2930
<b>Females</b>				
Sample Number	2	145	90	237
Percent	0.37	27.05	16.79	44.22
Number in Catch	20	1421	882	2323
<b>Sexes Combined</b>				
Sample Number	5	304	227	536
Percent	0.93	56.72	42.35	100.00
Number in Catch	49	2979	2225	5253
Standard Error	22	112	112	

Appendix Table D1. Akwe River commercial catch of salmon, number of hours fished, and number of fishermen, by period, 1983.

Week	Hours	Boats	Number of Fish				
			Chinook	Sockeye	Coho	Pink	Chum
6/26-7/02	24	2	67	386			2
7/03-7/09	24	3	26	1,383		11	5
7/10-7/16	24	5	5	1,518		9	20
7/17-7/23	24	6		1,467		50	16
7/24-7/30	24	2	1	484		42	20
7/31-8/06	72	2		476	4	30	3
8/07-8/13	72	1		70	2	10	
8/14-8/20	72						
8/21-8/27	72						4
8/28-9/03	72	3		29	234		1
9/04-9/10	48	5		8	396		3
9/11-9/17	48	21		1	1,623		
9/18-9/24	48	10			1,671		
9/25-10/1	96	16			1,360		
<b>TOTAL</b>			<b>99</b>	<b>5,822</b>	<b>5,290</b>	<b>152</b>	<b>74</b>

Appendix Table D2. Akwe River escapement of salmon, 1983<sup>1 2</sup>.

Date	Chinook	Sockeye	Coho	Pink	Chum
06/25	80	500			
07/06		3,000			
07/15		7,000			
07/20		8,000			
08/17	140	7,000			
08/20		9,000 <sup>3</sup>			
09/11			2,000		
09/18			6,000		
10/10			1,500		

<sup>1</sup> Aerial surveys.

<sup>2</sup> Total enumeration is not possible due to glacial siltation. These data are peak counts.

<sup>3</sup> Peak of spawning.

Appendix Table D3. Akwe River commercial gillnet catch of chinook salmon, sex and age class by fishing period, 1983.

Periods Combined	Age Class			TOTAL
	1.4	1.3	1.2	
<b>Males</b>				
Sample Number	2	24	10	36
Percent	3.17	38.10	15.87	57.14
Number in Catch	3	38	16	57
<b>Females</b>				
Sample Number	2	23	2	27
Percent	3.17	36.51	3.17	42.86
Number in Catch	3	36	3	42
<b>Sexes Combined</b>				
Sample Number	4	47	12	63
Percent	6.35	74.60	19.05	100.00
Number in Catch	6	74	19	99
Standard Error	3	5	5	

Appendix Table D4. Akwe River commercial gillnet catch of sockeye salmon, sex and age class by fishing period, 1983.

6/26-7/02									
	1.4	2.3	0.4	Age Class		0.3	1.2	0.2	TOTAL
				1.3	2.2				
<b>Males</b>									
Sample Number	0	0	2	25	0	28	11	30	96
Percent	0.00	0.00	0.98	12.20	0.00	13.66	5.37	14.63	46.83
Number in Catch	0	0	4	47	0	53	21	56	181
<b>Females</b>									
Sample Number	0	0	0	27	0	78	2	2	109
Percent	0.00	0.00	0.00	13.17	0.00	38.05	0.98	0.98	53.17
Number in Catch	0	0	0	51	0	147	4	4	205
<b>Sexes Combined</b>									
Sample Number	0	0	2	52	0	106	13	32	205
Percent	0.00	0.00	0.98	25.37	0.00	51.71	6.34	15.61	100.00
Number in Catch	0	0	4	98	0	200	24	60	386
Standard Error			3	12		14	7	10	
-----									
7/03-7/09									
	1.4	2.3	0.4	Age Class		0.3	1.2	0.2	TOTAL
				1.3	2.2				
<b>Males</b>									
Sample Number	0	0	0	5	0	15	1	15	36
Percent	0.00	0.00	0.00	5.15	0.00	15.46	1.03	15.46	37.11
Number in Catch	0	0	0	71	0	214	14	214	513
<b>Females</b>									
Sample Number	0	0	0	6	0	54	1	0	61
Percent	0.00	0.00	0.00	6.19	0.00	55.67	1.03	0.00	62.89
Number in Catch	0	0	0	86	0	770	14	0	870
<b>Sexes Combined</b>									
Sample Number	0	0	0	11	0	69	2	15	97
Percent	0.00	0.00	0.00	11.34	0.00	71.13	2.06	15.46	100.00
Number in Catch	0	0	0	157	0	984	29	214	1383
Standard Error				44		64	20	51	
-----									
7/10-7/23									
	1.4	2.3	0.4	Age Class		0.3	1.2	0.2	TOTAL
				1.3	2.2				
<b>Males</b>									
Sample Number	0	0	0	9	0	9	2	19	39
Percent	0.00	0.00	0.00	6.25	0.00	6.25	1.39	13.19	27.08
Number in Catch	0	0	0	187	0	187	41	394	808
<b>Females</b>									
Sample Number	0	1	0	19	0	83	0	2	105
Percent	0.00	0.69	0.00	13.19	0.00	57.64	0.00	1.39	72.92
Number in Catch	0	21	0	394	0	1721	0	41	2177
<b>Sexes Combined</b>									
Sample Number	0	1	0	28	0	92	2	21	144
Percent	0.00	0.69	0.00	19.44	0.00	63.89	1.39	14.58	100.00
Number in Catch	0	21	0	580	0	1907	41	435	2985
Standard Error		21		98		120	29	88	

-Continued-

Appendix Table D4. Akwe River commercial gillnet catch of sockeye salmon, sex and age class by fishing period, 1983 (continued).

7/24-7/30									
	Age Class								
	1.4	2.3	0.4	1.3	2.2	0.3	1.2	0.2	TOTAL
<b>Males</b>									
Sample Number	0	0	0	6	0	9	5	13	33
Percent	0.00	0.00	0.00	6.74	0.00	10.11	5.62	14.61	37.08
Number in Catch	0	0	0	33	0	49	27	71	179
<b>Females</b>									
Sample Number	0	0	0	12	1	35	5	3	56
Percent	0.00	0.00	0.00	13.48	1.12	39.33	5.62	3.37	62.92
Number in Catch	0	0	0	65	5	190	27	16	305
<b>Sexes Combined</b>									
Sample Number	0	0	0	18	1	44	10	16	89
Percent	0.00	0.00	0.00	20.22	1.12	49.44	11.24	17.98	100.00
Number in Catch	0	0	0	98	5	239	54	87	484
Standard Error				21	5	26	16	20	
-----									
7/31-9/17									
	Age Class								
	1.4	2.3	0.4	1.3	2.2	0.3	1.2	0.2	TOTAL
<b>Males</b>									
Sample Number	0	1	0	9	0	10	6	10	36
Percent	0.00	1.49	0.00	13.43	0.00	14.93	8.96	14.93	53.73
Number in Catch	0	9	0	78	0	87	52	87	314
<b>Females</b>									
Sample Number	1	0	0	5	0	19	5	1	31
Percent	1.49	0.00	0.00	7.46	0.00	28.36	7.46	1.49	46.27
Number in Catch	9	0	0	44	0	166	44	9	270
<b>Sexes Combined</b>									
Sample Number	1	1	0	14	0	29	11	11	67
Percent	1.49	1.49	0.00	20.90	0.00	43.28	16.42	16.42	100.00
Number in Catch	9	9	0	122	0	253	96	96	584
Standard Error	9	9		29		35	26	26	
-----									
Periods Combined									
	Age Class								
	1.4	2.3	0.4	1.3	2.2	0.3	1.2	0.2	TOTAL
<b>Males</b>									
Sample Number	0	1	2	54	0	71	25	87	240
Percent	0.00	0.15	0.06	7.15	0.00	10.12	2.68	14.12	34.28
Number in Catch	0	9	4	416	0	589	156	822	1996
<b>Females</b>									
Sample Number	1	1	0	69	1	269	13	8	362
Percent	0.15	0.36	0.00	10.98	0.09	51.41	1.53	1.21	65.72
Number in Catch	9	21	0	639	5	2993	89	70	3826
<b>Sexes Combined</b>									
Sample Number	1	2	2	123	1	340	38	95	602
Percent	0.15	0.51	0.06	18.12	0.09	61.53	4.20	15.33	100.00
Number in Catch	9	29	4	1055	5	3583	245	892	5822
Standard Error	9	23	3	105	5	144	47	107	

Appendix Table D5. Akwe River escapement of sockeye salmon, sex and age class by sample period, 1983.

Periods Combined	Age Class							TOTAL
	2.3	1.3	2.2	0.3	1.2	0.2	0.1	
<b>Males</b>								
Sample Number	0	8	1	25	2	68	1	105
Percent	0.00	2.59	0.32	8.09	0.65	22.01	0.32	33.98
<b>Females</b>								
Sample Number	5	17	2	156	3	21	0	204
Percent	1.62	5.50	0.65	50.49	0.97	6.80	0.00	66.02
<b>Sexes Combined</b>								
Sample Number	5	25	3	181	5	89	1	309
Percent	1.62	8.09	0.97	58.58	1.62	28.80	0.32	100.00
Standard Error	0.72	1.55	0.56	2.81	0.72	2.58	0.32	

Appendix Table D6. Akwe River commercial gillnet catch of coho salmon, sex and age class by fishing period, 1983.

Periods Combined	Age Class			TOTAL
	3.1	2.1	1.1	
<b>Males</b>				
Sample Number	2	148	139	289
Percent	0.35	25.92	24.34	50.61
Number in Catch	19	1371	1288	2677
<b>Females</b>				
Sample Number	4	156	122	282
Percent	0.70	27.32	21.37	49.39
Number in Catch	37	1445	1130	2613
<b>Sexes Combined</b>				
Sample Number	6	304	261	571
Percent	1.05	53.24	45.71	100.00
Number in Catch	56	2816	2418	5290
Standard Error	23	111	110	

Appendix Table E1. Itatio River commercial gillnet catch of salmon, number of hours fished, and number of fishermen, by period, 1983.

Week	Hours	Boats	Number of Fish					
			Chinook	Sockeye	Coho	Pink	Chum	
7/10-7/16	36	1		425			45	11
7/17-7/23	36	1		311			77	38
7/24-7/30	36	1		241			83	63
7/31-8/06	72	1		122	6		85	128
8/07-8/13	72	2		186	42		119	251
8/14-8/20	72	1		44	17		12	60
8/21-8/27	72	1		5	53		18	4
8/28-9/03	72	3		11	241		6	22
9/04-9/10	72	4		4	608			13
9/11-9/17	48	5			703			13
9/18-9/24	48	5			1,169			
9/25-10/1	96	5			1,965			2
<b>TOTAL</b>			<b>0</b>	<b>1,349</b>	<b>4,804</b>		<b>445</b>	<b>605</b>

Appendix Table E2. Italo River escapement of salmon, 1983<sup>1</sup>.

Area	Date	Chinook	Sockeye	Coho	Pink	Chum
Lake River	08/29		6,000			
	08/29			500	15,000	3,000
	09/18			2,000		
	10/10			1,500		
Old Italo	10/10		2,000	150		

<sup>1</sup> Aerial surveys.

Appendix Table E3. Itatio River commercial gillnet catch of sockeye salmon, sex and age class by fishing period, 1983.

7/10-7/23							
	Age Class						TOTAL
	2.3	1.3	2.2	0.3	1.2	0.2	
<b>Males</b>							
Sample Number	2	35	1	30	4	9	81
Percent	1.03	17.95	0.51	15.38	2.05	4.62	41.54
Number in Catch	8	132	4	113	15	34	306
<b>Females</b>							
Sample Number	0	53	0	60	1	0	114
Percent	0.00	27.18	0.00	30.77	0.51	0.00	58.46
Number in Catch	0	200	0	226	4	0	430
<b>Sexes Combined</b>							
Sample Number	2	88	1	90	5	9	195
Percent	1.03	45.13	0.51	46.15	2.56	4.62	100.00
Number in Catch	8	332	4	340	19	34	736
	1	4	1	4	1	1	
7/24-7/30							
	Age Class						TOTAL
	2.3	1.3	2.2	0.3	1.2	0.2	
<b>Males</b>							
Sample Number	2	32	0	25	4	4	67
Percent	1.39	22.22	0.00	17.36	2.78	2.78	46.53
Number in Catch	3	54	0	42	7	7	112
<b>Females</b>							
Sample Number	0	42	0	33	2	0	77
Percent	0.00	29.17	0.00	22.92	1.39	0.00	53.47
Number in Catch	0	70	0	55	3	0	129
<b>Sexes Combined</b>							
Sample Number	2	74	0	58	6	4	144
Percent	1.39	51.39	0.00	40.28	4.17	2.78	100.00
Number in Catch	3	124	0	97	10	7	241
	1	1		1	1	1	

-Continued-

Appendix Table E3. Italo River commercial gillnet catch of sockeye salmon, sex and age class by fishing period, 1983 (continued).

7/31-8/13							
	Age Class						TOTAL
	2.3	1.3	2.2	0.3	1.2	0.2	
<b>Males</b>							
Sample Number	1	65	0	21	4	3	94
Percent	0.56	36.11	0.00	11.67	2.22	1.67	52.22
Number in Catch	2	111	0	36	7	5	161
<b>Females</b>							
Sample Number	0	39	0	45	2	0	86
Percent	0.00	21.67	0.00	25.00	1.11	0.00	47.78
Number in Catch	0	67	0	77	3	0	147
<b>Sexes Combined</b>							
Sample Number	1	104	0	66	6	3	180
Percent	0.56	57.78	0.00	36.67	3.33	1.67	100.00
Number in Catch	2	178	0	113	10	5	308
	1	2		1	1	1	
8/14-9/10							
	Age Class						TOTAL
	2.3	1.3	2.2	0.3	1.2	0.2	
<b>Males</b>							
Sample Number	0	4	0	4	0	0	8
Percent	0.00	25.00	0.00	25.00	0.00	0.00	50.00
Number in Catch	0	16	0	16	0	0	32
<b>Females</b>							
Sample Number	0	5	0	3	0	0	8
Percent	0.00	31.25	0.00	18.75	0.00	0.00	50.00
Number in Catch	0	20	0	12	0	0	32
<b>Sexes Combined</b>							
Sample Number	0	9	0	7	0	0	16
Percent	0.00	56.25	0.00	43.75	0.00	0.00	100.00
Number in Catch	0	36	0	28	0	0	64
		1		1			
Periods Combined							
	Age Class						TOTAL
	2.3	1.3	2.2	0.3	1.2	0.2	
<b>Males</b>							
Sample Number	5	136	1	80	12	16	250
Percent	0.93	23.19	0.28	15.35	2.12	3.39	45.27
Number in Catch	13	313	4	207	29	46	611
<b>Females</b>							
Sample Number	0	139	0	141	5	0	285
Percent	0.00	26.47	0.00	27.48	0.78	0.00	54.73
Number in Catch	0	357	0	371	11	0	738
<b>Sexes Combined</b>							
Sample Number	5	275	1	221	17	16	535
Percent	0.93	49.66	0.28	42.82	2.90	3.39	100.00
Number in Catch	13	670	4	578	39	46	1349
	1	5	1	4	2	2	

Appendix Table E4. Italo River escapement of sockeye salmon, sex and age class by sample period, 1983.

Periods Combined	Age Class							TOTAL
	2.3	1.3	2.2	0.3	1.2	0.2	1.1	
<b>Males</b>								
Sample Number	2	126	3	0	31	3	2	167
Percent	0.62	39.01	0.93	0.00	9.60	0.93	0.62	51.70
<b>Females</b>								
Sample Number	0	133	0	2	20	1	0	156
Percent	0.00	41.18	0.00	0.62	6.19	0.31	0.00	48.30
<b>Sexes Combined</b>								
Sample Number	2	259	3	2	51	4	2	323
Percent	0.62	80.19	0.93	0.62	15.79	1.24	0.62	100.00
Standard Error	0.44	2.22	0.53	0.44	2.03	0.62	0.44	

Appendix Table E5. Italo River commercial gillnet catch of coho salmon, sex and age class by fishing period, 1983.

Periods Combined	Age Class		TOTAL
	2.1	1.1	
<b>No sex</b>			
Sample Number	6	22	28
Percent	2.74	10.05	12.79
Number in Catch	132	483	615
<b>Males</b>			
Sample Number	36	73	109
Percent	16.44	33.33	49.77
Number in Catch	790	1603	2393
<b>Females</b>			
Sample Number	26	56	82
Percent	11.87	25.57	37.44
Number in Catch	571	1229	1800
<b>Sexes Combined</b>			
Sample Number	68	151	219
Percent	31.05	68.95	100.00
Number in Catch	1493	3315	4808
Standard Error	150	150	

Appendix Table F1. Situk River commercial gillnet catch of salmon, number of hours fished, number of fishermen, by period, 1983.

Week	Hours	Boats	Number of Fish				
			Chinook	Sockeye	Coho	Pink	Chum
6/19-6/25	60	27	118	3,318		1	
6/26-7/02	36	33	103	2,229		3	
7/03-7/09	24	27	85	3,923	1	115	
7/10-7/16	36	39	24	2,247		139	1
7/17-7/23	36	29	6	1,974	1	670	1
7/24-7/30	36	22	2	1,152	7	711	5
7/31-8/06	72	25	11	1,983	39	3,240	25
8/07-8/13	72	19		469	184	866	16
8/14-8/20	72	17		327	727	958	18
8/21-8/27	72	23		96	1,315	120	12
8/28-9/03	72	35		28	2,511	39	32
9/04-9/10	72	34		35	3,485		15
9/11-9/17	72	36		16	5,089	1	111
9/18-9/24	72	22			1,493		2
9/25-10/1	96	13			334	1	2
<b>TOTAL</b>			<b>349</b>	<b>17,797</b>	<b>15,186</b>	<b>6,864</b>	<b>240</b>

Appendix Table F2. Situk River escapement of salmon, 1983.

Area	Period Dates	Chinook	Sockeye	Coho	Pink	Chum
Weir		856	63,591		183,577	12
Main Situk <sup>1</sup> (below weir)	09/08			2,930		
	09/16			5,300		
	10/15			590 <sup>2</sup>		
Old Situk <sup>1</sup>			4,500			

<sup>1</sup> Boat surveys.

<sup>2</sup> No fresh fish.

Appendix Table F3. Situk River escapement of salmon by day through the Situk weir, 1983.

Date	Chinook			Sockeye	Pink	Chum
	1/	2/	Total			
06/12						
06/13						
06/14						
06/15						
06/16						
06/17				13		
06/18				25		
06/19				54		
06/20				8		
06/21				30		
06/22				496		
06/23	2	1	3	1,092		
06/24	19	5	24	2,376		
06/25				112		
06/26	1		1	63		
06/27	1	1	2	930		
06/28		3	3	1,131		
06/29	1		1	550		
06/30	7	1	8	1,823		
07/01				1,061		
07/02	2		2	1,186		
07/03	1	2	3	2,318		
07/04	1	1	2	2,635		
07/05	5	3	8	2,838		
07/06	5		5	1,748		
07/07	2		2	1,003		
07/08				513		
07/09				733		
07/10		3	3	1,144	13	
07/11	1	1	2	1,834	6	
07/12	2		2	725	1	
07/13	3		3	2,173	24	
07/14	3	2	5	750	24	
07/15	3	2	5	1,761	26	
07/16	2	6	8	1,818	116	
07/17	1	1	2	829	152	
07/18	3	3	6	1,215	154	
07/19	2	2	4	1,143	146	
07/20	16	8	24	2,793	1,151	
07/21	6	2	8	1,573	354	
07/22	77	20	97	4,994	5,450	
07/23	2	0	2	1,167	1,098	
07/24	2	3	5	1,527	4,517	
07/25	41	13	54	2,229	10,382	
07/26	8	6	14	1,134	3,228	
07/27	3	10	13	1,664	8,246	
07/28	16	13	29	2,276	19,102	2
07/29	9	3	12	342	1,988	
07/30	1	1	2	237	463	
07/31	8	4	12	542	3,831	
08/01	4	3	7	345	315	
08/02	13	2	15	1,041	3,089	
08/03	35	18	53	2,075	25,509	1
08/04	4	7	11	874	27,270	3
08/05	3	6	9	171	6,236	
08/06	91	52	143	638	20,028	3
08/07	11	7	18	167	3,003	
08/08	15	5	20	221	1,625	
08/09	58	17	75	292	4,769	
08/10	31	6	37	296	1,935	
08/11	27	3	30	238	2,280	
08/12	10	3	13	169	2,031	2
08/13	3	2	5	38	431	
08/14	12	3	15	80	2,656	
08/15	12	2	14	2844	16,352	
08/16	3		3	54	1,491	
08/17	4	1	5	42	3,341	
08/18	10	3	13	12	744	1
Total	593	257	850	63,645	183,577	12

1/ Larger chinook salmon.

2/ Smaller, presumably male, chinook salmon (approx. 4-12 lbs.)

Appendix Table F4. Situk River commercial gillnet catch of chinook salmon, sex and age class by fishing period, 1983.

Periods Combined	Age Class							TOTAL	
	2.4	1.4	0.4	1.3	2.2	0.3	1.2		1.1
<b>Nosex</b>									
Sample Number	0	14	2	82	1	3	71	2	175
Percent	0.00	6.31	0.90	36.94	0.45	1.35	31.98	0.90	78.83
Number in Catch	0	22	3	129	2	5	112	3	275
<b>Males</b>									
Sample Number	0	2	0	7	0	0	6	1	16
Percent	0.00	0.90	0.00	3.15	0.00	0.00	2.70	0.45	7.21
Number in Catch	0	3	0	11	0	0	9	2	25
<b>Females</b>									
Sample Number	1	5	0	25	0	0	0	0	31
Percent	0.45	2.25	0.00	11.26	0.00	0.00	0.00	0.00	13.96
Number in Catch	2	8	0	39	0	0	0	0	49
<b>Sexes Combined</b>									
Sample Number	1	21	2	114	1	3	77	3	222
Percent	0.45	9.46	0.90	51.35	0.45	1.35	34.68	1.35	100.00
Number in Catch	2	33	3	179	2	5	121	5	349
Standard Error	2	7	2	23	2	3	11	3	

Appendix Table F5. Situk River commercial gillnet catch of sockeye salmon, sex and age class by fishing period, 1983.

6/20-6/21											
	2.4	1.4	2.3	0.4	Age Class		0.3	1.2	0.2	1.1	TOTAL
					1.3	2.2					
<b>Males</b>											
Sample Number	0	1	8	0	52	4	6	10	1	0	82
Percent	0.00	0.52	4.12	0.00	26.80	2.06	3.09	5.15	0.52	0.00	42.27
Number in Catch	0	17	137	0	889	68	103	171	17	0	1402
<b>Females</b>											
Sample Number	0	0	5	1	91	1	13	1	0	0	112
Percent	0.00	0.00	2.58	0.52	46.91	0.52	6.70	0.52	0.00	0.00	57.73
Number in Catch	0	0	86	17	1556	17	222	17	0	0	1916
<b>Sexes Combined</b>											
Sample Number	0	1	13	1	143	5	19	11	1	0	194
Percent	0.00	0.52	6.70	0.52	73.10	2.58	9.79	5.67	0.52	0.00	100.00
Number in Catch	0	17	222	17	2446	86	325	188	17	0	3318
Standard Error		17	60	17	106	38	71	55	17		
6/27-6/28											
	2.4	1.4	2.3	0.4	Age Class		0.3	1.2	0.2	1.1	TOTAL
					1.3	2.2					
<b>Males</b>											
Sample Number	1	1	14	0	64	2	2	14	1	0	99
Percent	0.51	0.51	7.11	0.00	32.49	1.02	1.02	7.11	0.51	0.00	50.25
Number in Catch	11	11	158	0	724	23	23	158	11	0	1120
<b>Females</b>											
Sample Number	0	1	7	0	73	3	11	3	0	0	98
Percent	0.00	0.51	3.55	0.00	37.06	1.52	5.58	1.52	0.00	0.00	49.75
Number in Catch	0	11	79	0	826	34	124	34	0	0	1109
<b>Sexes Combined</b>											
Sample Number	1	2	21	0	137	5	13	17	1	0	197
Percent	0.51	1.02	10.66	0.00	69.54	2.54	6.60	8.63	0.51	0.00	100.00
Number in Catch	11	23	238	0	1550	57	147	192	11	0	2229
Standard Error	11	16	49		73	25	39	45	11		
7/04-7/04											
	2.4	1.4	2.3	0.4	Age Class		0.3	1.2	0.2	1.1	TOTAL
					1.3	2.2					
<b>Males</b>											
Sample Number	0	1	13	0	59	5	4	11	0	0	93
Percent	0.00	0.50	6.44	0.00	29.21	2.48	1.98	5.45	0.00	0.00	46.04
Number in Catch	0	19	252	0	1146	97	78	214	0	0	1806
<b>Females</b>											
Sample Number	0	0	12	0	79	2	11	5	0	0	109
Percent	0.00	0.00	5.94	0.00	39.11	0.99	5.45	2.48	0.00	0.00	53.96
Number in Catch	0	0	233	0	1534	39	214	97	0	0	2117
<b>Sexes Combined</b>											
Sample Number	0	1	25	0	138	7	15	16	0	0	202
Percent	0.00	0.50	12.38	0.00	68.32	3.47	7.43	7.92	0.00	0.00	100.00
Number in Catch	0	19	486	0	2680	136	291	311	0	0	3923
Standard Error		20	91		128	50	72	74			

-Continued-

Appendix Table F5. Situk River commercial gillnet catch of sockeye salmon, sex and age class by fishing period, 1983 (continued).

7/11-7/11											
	2.4	1.4	2.3	0.4	Age Class 1.3	2.2	0.3	1.2	0.2	1.1	TOTAL
<b>Males</b>											
Sample Number	0	0	5	0	73	3	3	11	2	0	97
Percent	0.00	0.00	2.31	0.00	33.80	1.39	1.39	5.09	0.93	0.00	44.91
Number in Catch	0	0	52	0	759	31	31	114	21	0	1009
<b>Females</b>											
Sample Number	0	1	10	0	97	2	7	2	0	0	119
Percent	0.00	0.46	4.63	0.00	44.91	0.93	3.24	0.93	0.00	0.00	55.09
Number in Catch	0	10	104	0	1009	21	73	21	0	0	1238
<b>Sexes Combined</b>											
Sample Number	0	1	15	0	170	5	10	13	2	0	216
Percent	0.00	0.46	6.94	0.00	78.70	2.31	4.63	6.02	0.93	0.00	100.00
Number in Catch	0	10	156	0	1768	52	104	135	21	0	2247
Standard Error		10	39		63	23	32	36	15		
7/18-7/19											
	2.4	1.4	2.3	0.4	Age Class 1.3	2.2	0.3	1.2	0.2	1.1	TOTAL
<b>Males</b>											
Sample Number	0	0	7	0	60	8	1	12	1	3	92
Percent	0.00	0.00	3.33	0.00	28.57	3.81	0.48	5.71	0.48	1.43	43.81
Number in Catch	0	0	66	0	564	75	9	113	9	28	865
<b>Females</b>											
Sample Number	0	0	9	0	93	0	11	4	1	0	118
Percent	0.00	0.00	4.29	0.00	44.29	0.00	5.24	1.90	0.48	0.00	56.19
Number in Catch	0	0	85	0	874	0	103	38	9	0	1109
<b>Sexes Combined</b>											
Sample Number	0	0	16	0	153	8	12	16	2	3	210
Percent	0.00	0.00	7.62	0.00	72.86	3.81	5.71	7.62	0.95	1.43	100.00
Number in Catch	0	0	150	0	1438	75	113	150	19	28	1974
Standard Error			36		61	26	32	36	13	16	
7/25-7/25											
	2.4	1.4	2.3	0.4	Age Class 1.3	2.2	0.3	1.2	0.2	1.1	TOTAL
<b>Males</b>											
Sample Number	0	0	11	0	80	4	3	2	0	3	103
Percent	0.00	0.00	5.42	0.00	39.41	1.97	1.48	0.99	0.00	1.48	50.74
Number in Catch	0	0	62	0	454	23	17	11	0	17	585
<b>Females</b>											
Sample Number	0	1	8	0	81	3	4	3	0	0	100
Percent	0.00	0.49	3.94	0.00	39.90	1.48	1.97	1.48	0.00	0.00	49.26
Number in Catch	0	6	45	0	460	17	23	17	0	0	567
<b>Sexes Combined</b>											
Sample Number	0	1	19	0	161	7	7	5	0	3	203
Percent	0.00	0.49	9.36	0.00	79.31	3.45	3.45	2.46	0.00	1.48	100.00
Number in Catch	0	6	108	0	914	40	40	28	0	17	1152
Standard Error		6	24		33	15	15	12		10	

-Continued-

Appendix Table F5. Situk River commercial gillnet catch of sockeye salmon, sex and age class by fishing period, 1983 (continued).

8/01-8/02											
	2.4	1.4	2.3	0.4	Age Class			1.2	0.2	1.1	TOTAL
					1.3	2.2	0.3				
<b>Males</b>											
Sample Number	1	0	10	0	67	1	4	3	2	0	88
Percent	0.62	0.00	6.17	0.00	41.36	0.62	2.47	1.85	1.23	0.00	54.32
Number in Catch	12	0	122	0	820	12	49	37	24	0	1077
<b>Females</b>											
Sample Number	0	0	9	0	59	1	3	2	0	0	74
Percent	0.00	0.00	5.56	0.00	36.42	0.62	1.85	1.23	0.00	0.00	45.68
Number in Catch	0	0	110	0	722	12	37	24	0	0	906
<b>Sexes Combined</b>											
Sample Number	1	0	19	0	126	2	7	5	2	0	162
Percent	0.62	0.00	11.73	0.00	77.78	1.23	4.32	3.09	1.23	0.00	100.00
Number in Catch	12	0	233	0	1542	24	86	61	24	0	1983
Standard Error	12		50		65	17	32	27	17		
8/10-8/10											
	2.4	1.4	2.3	0.4	Age Class			1.2	0.2	1.1	TOTAL
					1.3	2.2	0.3				
<b>Males</b>											
Sample Number	0	0	2	0	32	1	2	6	1	0	44
Percent	0.00	0.00	2.11	0.00	33.68	1.05	2.11	6.32	1.05	0.00	46.32
Number in Catch	0	0	20	0	327	10	20	61	10	0	450
<b>Females</b>											
Sample Number	0	0	5	0	39	1	3	3	0	0	51
Percent	0.00	0.00	5.26	0.00	41.05	1.05	3.16	3.16	0.00	0.00	53.68
Number in Catch	0	0	51	0	399	10	31	31	0	0	521
<b>Sexes Combined</b>											
Sample Number	0	0	7	0	71	2	5	9	1	0	95
Percent	0.00	0.00	7.37	0.00	74.74	2.11	5.26	9.47	1.05	0.00	100.00
Number in Catch	0	0	72	0	726	20	51	92	10	0	971
Standard Error			26		43	14	22	29	10		
Periods Combined											
	2.4	1.4	2.3	0.4	Age Class			1.2	0.2	1.1	TOTAL
					1.3	2.2	0.3				
<b>Males</b>											
Sample Number	2	3	70	0	487	28	25	69	8	6	698
Percent	0.13	0.27	40.89	0.00	31.94	1.91	1.85	4.94	0.52	0.25	46.72
Number in Catch	24	48	871	0	5684	340	330	880	93	45	8314
<b>Females</b>											
Sample Number	0	3	65	1	612	13	63	23	1	0	781
Percent	0.00	0.15	4.46	0.10	41.47	0.84	4.65	1.57	0.05	0.00	53.28
Number in Catch	0	27	793	17	7380	150	827	279	9	0	9483
<b>Sexes Combined</b>											
Sample Number	2	6	135	1	1099	41	88	92	9	6	1479
Percent	0.13	0.42	9.35	0.10	73.41	2.75	6.50	6.51	0.58	0.25	100.00
Number in Catch	24	75	1664	17	13064	490	1157	1158	103	45	17797
Standard Error	16	33	144	17	219	81	125	122	35	19	

Appendix Table F6. Situk River escapement of sockeye salmon, sex and age class by sample period, 1983.

06/17-07/02											
	1.4	2.3	1.3	2.2	Age Class 0.3	1.2	2.1	0.2	1.1	0.1	TOTAL
<b>Males</b>											
Sample Number	0	55	131	29	3	57	0	1	1	0	277
Percent	0.00	11.00	26.20	5.80	0.60	11.40	0.00	0.20	0.20	0.00	55.40
Number in Catch	0	1205	2869	635	66	1248	0	22	22	0	6066
<b>Females</b>											
Sample Number	0	47	156	8	0	12	0	0	0	0	223
Percent	0.00	9.40	31.20	1.60	0.00	2.40	0.00	0.00	0.00	0.00	44.60
Number in Catch	0	1029	3416	175	0	263	0	0	0	0	4884
<b>Sexes Combined</b>											
Sample Number	0	102	287	37	3	69	0	1	1	0	500
Percent	0.00	20.40	57.40	7.40	0.60	13.80	0.00	0.20	0.20	0.00	100.00
Number in Catch	0	2234	6285	810	66	1511	0	22	22	0	10950
Standard Error		197	242	128	38	169		22	22		
7/06-7/16											
	1.4	2.3	1.3	2.2	Age Class 0.3	1.2	2.1	0.2	1.1	0.1	TOTAL
<b>Males</b>											
Sample Number	1	15	111	9	1	46	0	4	0	0	187
Percent	0.21	3.13	23.13	1.88	0.21	9.58	0.00	0.83	0.00	0.00	38.96
Number in Catch	46	687	5086	412	46	2108	0	183	0	0	8568
<b>Females</b>											
Sample Number	0	14	245	4	3	26	0	1	0	0	293
Percent	0.00	2.92	51.04	0.83	0.63	5.42	0.00	0.21	0.00	0.00	61.04
Number in Catch	0	641	11226	183	137	1191	0	46	0	0	13425
<b>Sexes Combined</b>											
Sample Number	1	29	356	13	4	72	0	5	0	0	480
Percent	0.21	6.04	74.17	2.71	0.83	15.00	0.00	1.04	0.00	0.00	100.00
Number in Catch	46	1328	16311	596	183	3299	0	229	0	0	21993
Standard Error	46	239	439	163	91	358		102			
7/17-8/01											
	1.4	2.3	1.3	2.2	Age Class 0.3	1.2	2.1	0.2	1.1	0.1	TOTAL
<b>Males</b>											
Sample Number	0	4	129	8	0	83	1	10	4	1	240
Percent	0.00	0.82	26.43	1.64	0.00	17.01	0.20	2.05	0.82	0.20	49.18
Number in Catch	0	252	8116	503	0	5222	63	629	252	63	15099
<b>Females</b>											
Sample Number	0	4	181	11	3	45	0	4	0	0	248
Percent	0.00	0.82	37.09	2.25	0.61	9.22	0.00	0.82	0.00	0.00	50.82
Number in Catch	0	252	11387	692	189	2831	0	252	0	0	15603
<b>Sexes Combined</b>											
Sample Number	0	8	310	19	3	128	1	14	4	1	488
Percent	0.00	1.64	63.52	3.89	0.61	26.23	0.20	2.87	0.82	0.20	100.00
Number in Catch	0	503	19503	1195	189	8053	63	881	252	63	30702
Standard Error		177	669	269	108	611	62	232	125	62	
Periods Combined											
	1.4	2.3	1.3	2.2	Age Class 0.3	1.2	2.1	0.2	1.1	0.1	TOTAL
<b>Males</b>											
Sample Number	1	74	371	46	4	186	1	15	5	1	704
Percent	0.07	3.37	25.25	2.44	0.18	13.48	0.10	1.31	0.43	0.10	46.72
Number in Catch	46	2143	16071	1551	112	8578	63	834	274	63	29734
<b>Females</b>											
Sample Number	0	65	582	23	6	83	0	5	0	0	764
Percent	0.00	3.02	49.90	1.65	0.51	6.73	0.00	0.47	0.00	0.00	51.28
Number in Catch	0	1922	26029	1051	326	4285	0	297	0	0	33911
<b>Sexes Combined</b>											
Sample Number	1	139	953	69	10	269	1	20	5	1	1468
Percent	0.07	6.39	66.15	4.09	0.69	20.21	0.10	1.78	0.43	0.10	100.00
Number in Catch	46	4066	42100	2601	438	12863	63	1132	274	63	63645
Standard Error	46	310	836	340	146	728	62	254	127	62	

Appendix Table F7. Situk River commercial gillnet catch of coho salmon, sex and age class by fishing period, 1983.

Periods Combined	Age Class			TOTAL
	3.1	2.1	1.1	
<b>No sex</b>				
Sample Number	0	9	9	18
Percent	0.00	1.51	1.51	3.02
Number in Catch	0	229	229	458
<b>Males</b>				
Sample Number	1	121	216	338
Percent	0.17	20.27	36.18	56.62
Number in Catch	25	3078	5494	8598
<b>Females</b>				
Sample Number	1	93	147	241
Percent	0.17	15.58	24.62	40.37
Number in Catch	25	2366	3739	6130
<b>Sexes Combined</b>				
Sample Number	2	223	372	597
Percent	0.34	37.35	62.31	100.00
Number in Catch	51	5672	9463	15186
Standard Error	36	301	301	

Appendix Table G1. Lost River commercial gillnet catch of salmon, number of hours fished, number of fishermen, by period, 1983.

Week	Hours	Boats	Number of Fish					
			Chinook	Sockeye	Coho	Pink	Chum	
6/19-6/25	60	5		191				
6/26-7/02	36	2		198				
7/03-7/09	24	5		201			3	
7/10-7/16	36	5	2	319	1		31	
7/17-7/23	36	3	1	163			6	
7/24-7/30	36	3		162	1		40	
7/31-8/06	72	2		304			446	
8/07-8/13	72	5		289	50		455	2
8/14-8/20	72	5		193	372		293	2
8/21-8/27	72	6		103	371		215	
8/28-9/03	72	5		28	953		65	2
9/04-9/10	72	5		7	825			1
9/11-9/17	72	6			1,953			2
9/18-9/24	72	5			446			
9/25-10/1	96	4			251			
<b>TOTAL</b>			<b>3</b>	<b>2,158</b>	<b>5,223</b>		<b>1,554</b>	<b>9</b>

Appendix Table G2. Lost River escapement of salmon, 1983<sup>1 2</sup>.

Area	Date	Chinook	Sockeye	Coho	Pink	Chum
Ophir Cr			3,000			
Tawah Cr & Lost R			6-7,000 <sup>2</sup>			

<sup>1</sup> Boat surveys.

<sup>2</sup> Estimated total escapement. Derived from surveys on 9/7, 9/16, 9/29, and 10/8.

Appendix Table G3. Lost River commercial gillnet catch of sockeye salmon, sex and age class by fishing period, 1983.

6/19-7/02								
	1.4	2.3	1.3	Age Class 2.2	0.3	1.2	0.2	TOTAL
<b>Males</b>								
Sample Number	0	3	12	0	1	5	2	23
Percent	0.00	6.25	25.00	0.00	2.08	10.42	4.17	47.92
Number in Catch	0	24	97	0	8	41	16	186
<b>Females</b>								
Sample Number	0	3	22	0	0	0	0	25
Percent	0.00	6.25	45.83	0.00	0.00	0.00	0.00	52.08
Number in Catch	0	24	178	0	0	0	0	203
<b>Sexes Combined</b>								
Sample Number	0	6	34	0	1	5	2	48
Percent	0.00	12.50	70.83	0.00	2.08	10.42	4.17	100.00
Number in Catch	0	49	276	0	8	41	16	389
Standard Error		19	26		8	17	11	
7/03-7/09								
	1.4	2.3	1.3	Age Class 2.2	0.3	1.2	0.2	TOTAL
<b>Males</b>								
Sample Number	0	0	28	3	8	12	4	55
Percent	0.00	0.00	23.33	2.50	6.67	10.00	3.33	45.83
Number in Catch	0	0	47	5	13	20	7	92
<b>Females</b>								
Sample Number	0	2	47	1	15	0	0	65
Percent	0.00	1.67	39.17	0.83	12.50	0.00	0.00	54.17
Number in Catch	0	3	79	2	25	0	0	109
<b>Sexes Combined</b>								
Sample Number	0	2	75	4	23	12	4	120
Percent	0.00	1.67	62.50	3.33	19.17	10.00	3.33	100.00
Number in Catch	0	3	126	7	39	20	7	201
Standard Error		2	9	3	7	6	3	
7/10-7/23								
	1.4	2.3	1.3	Age Class 2.2	0.3	1.2	0.2	TOTAL
<b>Males</b>								
Sample Number	0	1	25	10	2	17	0	55
Percent	0.00	0.75	18.80	7.52	1.50	12.78	0.00	41.35
Number in Catch	0	4	91	36	7	62	0	199
<b>Females</b>								
Sample Number	0	1	58	3	11	4	1	78
Percent	0.00	0.75	43.61	2.26	8.27	3.01	0.75	58.65
Number in Catch	0	4	210	11	40	14	4	283
<b>Sexes Combined</b>								
Sample Number	0	2	83	13	13	21	1	133
Percent	0.00	1.50	62.41	9.77	9.77	15.79	0.75	100.00
Number in Catch	0	7	301	47	47	76	4	482
Standard Error		5	20	12	12	15	4	
7/24-7/30								
	1.4	2.3	1.3	Age Class 2.2	0.3	1.2	0.2	TOTAL
<b>Males</b>								
Sample Number	0	1	13	1	1	4	3	23
Percent	0.00	1.89	24.53	1.89	1.89	7.55	5.66	43.40
Number in Catch	0	3	40	3	3	12	9	70
<b>Females</b>								
Sample Number	0	3	18	0	7	2	0	30
Percent	0.00	5.66	33.96	0.00	13.21	3.77	0.00	56.60
Number in Catch	0	9	55	0	21	6	0	92
<b>Sexes Combined</b>								
Sample Number	0	4	31	1	8	6	3	53
Percent	0.00	7.55	58.49	1.89	15.09	11.32	5.66	100.00
Number in Catch	0	12	95	3	24	18	9	162
Standard Error		6	11	3	8	7	5	

-Continued-

Appendix Table G3. Lost River commercial gillnet catch of sockeye salmon, sex and age class by fishing period, 1983 (continued).

7/31-8/06								
	1.4	2.3	1.3	Age Class		1.2	0.2	TOTAL
				2.2	0.3			
<b>Males</b>								
Sample Number	1	2	63	1	27	26	3	123
Percent	0.40	0.80	25.30	0.40	10.84	10.44	1.20	49.40
Number in Catch	1	2	77	1	33	32	4	150
<b>Females</b>								
Sample Number	0	2	80	5	22	15	2	126
Percent	0.00	0.80	32.13	2.01	8.84	6.02	0.80	50.60
Number in Catch	0	2	98	6	27	18	2	154
<b>Sexes Combined</b>								
Sample Number	1	4	143	6	49	41	5	249
Percent	0.40	1.61	57.43	2.41	19.68	16.47	2.01	100.00
Number in Catch	1	5	175	7	60	50	6	304
Standard Error	1	2	10	3	8	7	3	
8/07-8/13								
	1.4	2.3	1.3	Age Class		1.2	0.2	TOTAL
				2.2	0.3			
<b>Males</b>								
Sample Number	0	0	1	0	1	0	0	2
Percent	0.00	0.00	10.00	0.00	10.00	0.00	0.00	20.00
Number in Catch	0	0	29	0	29	0	0	58
<b>Females</b>								
Sample Number	0	1	5	0	1	1	0	8
Percent	0.00	10.00	50.00	0.00	10.00	10.00	0.00	80.00
Number in Catch	0	29	145	0	29	29	0	231
<b>Sexes Combined</b>								
Sample Number	0	1	6	0	2	1	0	10
Percent	0.00	10.00	60.00	0.00	20.00	10.00	0.00	100.00
Number in Catch	0	29	173	0	58	29	0	289
Standard Error		27	45		37	27		
8/14-9/10								
	1.4	2.3	1.3	Age Class		1.2	0.2	TOTAL
				2.2	0.3			
<b>Males</b>								
Sample Number	0	1	17	1	6	3	0	28
Percent	0.00	1.52	25.76	1.52	9.09	4.55	0.00	42.42
Number in Catch	0	5	85	5	30	15	0	140
<b>Females</b>								
Sample Number	0	1	28	1	5	3	0	38
Percent	0.00	1.52	42.42	1.52	7.58	4.55	0.00	57.58
Number in Catch	0	5	140	5	25	15	0	191
<b>Sexes Combined</b>								
Sample Number	0	2	45	2	11	6	0	66
Percent	0.00	3.03	68.18	3.03	16.67	9.09	0.00	100.00
Number in Catch	0	10	226	10	55	30	0	331
Standard Error		7	19	7	15	12		
Periods Combined								
	1.4	2.3	1.3	Age Class		1.2	0.2	TOTAL
				2.2	0.3			
<b>Males</b>								
Sample Number	1	8	159	16	46	67	12	309
Percent	0.06	1.78	21.57	2.34	5.74	8.40	1.66	41.54
Number in Catch	1	38	466	51	124	181	36	897
<b>Females</b>								
Sample Number	0	13	258	10	61	25	3	370
Percent	0.00	3.56	41.93	1.10	7.75	3.84	0.28	58.46
Number in Catch	0	77	905	24	167	83	6	1261
<b>Sexes Combined</b>								
Sample Number	1	21	417	26	107	92	15	679
Percent	0.06	5.34	63.50	3.44	13.48	12.24	1.94	100.00
Number in Catch	1	115	1370	74	291	264	42	2158
Standard Error	1	35	61	15	44	39	13	

Appendix Table G4. Lost River escapement of sockeye salmon, sex and age class by sample period, 1983.

Periods Combined	Age Class						TOTAL
	0.4	1.3	0.3	1.2	0.2	0.1	
<b>Males</b>							
Sample Number	0	19	27	14	9	4	73
Percent	0.00	7.31	10.38	5.38	3.46	1.54	28.08
<b>Females</b>							
Sample Number	1	39	93	37	17	0	187
Percent	0.38	15.00	35.77	14.23	6.54	0.00	71.92
<b>Sexes Combined</b>							
Sample Number	1	58	120	51	26	4	260
Percent	0.38	22.31	46.15	19.62	10.00	1.54	100.00
Standard Error	0.38	2.59	3.10	2.47	1.86	0.77	

Appendix Table G5. Lost River commercial gillnet catch of coho salmon, sex and age class by fishing period, 1983.

Periods Combined	Age Class			TOTAL
	3.1	2.1	1.1	
<b>Nosex</b>				
Sample Number	0	2	3	5
Percent	0.00	0.38	0.56	0.94
Number in Catch	0	20	29	49
<b>Males</b>				
Sample Number	2	134	172	308
Percent	0.38	25.19	32.33	57.89
Number in Catch	20	1316	1689	3024
<b>Females</b>				
Sample Number	2	101	116	219
Percent	0.38	18.98	21.80	41.17
Number in Catch	20	992	1139	2150
<b>Sexes Combined</b>				
Sample Number	4	237	291	532
Percent	0.75	44.55	54.70	100.00
Number in Catch	39	2327	2857	5223
Standard Error	19	112	112	

Appendix Table H1. Yakutat Bay commercial gillnet catch of salmon, number of fishermen, and number of hours fished, by period, 1983.

Week	Hours	Boats	Number of Fish				
			Chinook	Sockeye	Coho	Pink	Chum
6/12-6/18	60	25	191	2,527	25	60	113
6/19-6/25	60	18	35	2,194		8	26
6/26-7/02	36	12	15	738		9	7
7/03-7/09	24	12	19	1,270	20	90	39
7/10-7/16	36	13	15	1,835	124	312	8
7/17-7/23	36	16	27	515	310	599	6
7/24-7/30	36	13	9	1,436	128	1,265	61
7/31-8/06	72	19	14	4,158	425	2,531	41
8/07-8/13	72	21	36	1,213	466	555 <sup>1</sup>	22
8/14-8/20	72	30	3	1,842	484	5,675 <sup>1</sup>	78
8/21-8/27	72	14	4	86	487	4,443 <sup>2</sup>	3
8/28-9/03	72	5	2	28	287	289	22
9/04-9/10	72	4		2	258	1	1
9/11-9/17	72	4			323		
9/18-9/24	72	3	1		276	2	1
9/25-10/1	96	3			126	1	
<b>TOTAL</b>			<b>371</b>	<b>17,844</b>	<b>3,739</b>	<b>15,840</b>	<b>428</b>

<sup>1</sup> A total of 5 boats caught 4,847 pink salmon in the Humpy Creek fishery.

<sup>2</sup> A total of 3 boats caught 4,200 pink salmon in the Humpy Creek fishery.

Appendix Table H2. Yakutat Bay escapement of salmon, 1983<sup>1</sup> <sup>2</sup>.

Area	Date	Chinook	Sockeye	Coho	Pink	Chum
Humpy Creek	9/05				30,000	
Pudget Cove Creek	10/3-10/12			79		
White Alice Creek	10/3-10/12			65		
Canoe Pass #1	10/3-10/12			20		
Canoe Pass #2	10/3-10/12			65		
Knight Island	10/3-10/12			89		
Strawberry Creek	10/3-10/12			8 <sup>2</sup>		

<sup>1</sup> Boat surveys.

<sup>2</sup> Late surveys.

Appendix Table H3. Yakutat Bay commercial gillnet catch of chinook salmon, sex and age class by fishing period, 1983.

Periods Combined	Age Class						TOTAL
	1.4	1.3	0.3	1.2	0.2	1.1	
<b>Nosex</b>							
Sample Number	4	10	7	23	13	1	58
Percent	6.56	16.39	11.48	37.70	21.31	1.64	95.08
Number in Catch	24	61	43	140	79	6	353
<b>Males</b>							
Sample Number	0	0	0	0	0	0	0
Percent	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Number in Catch	0	0	0	0	0	0	0
<b>Females</b>							
Sample Number	0	2	1	0	0	0	3
Percent	0.00	3.28	1.64	0.00	0.00	0.00	4.92
Number in Catch	0	12	6	0	0	0	18
<b>Sexes Combined</b>							
Sample Number	4	12	8	23	13	1	61
Percent	6.56	19.67	13.11	37.70	21.31	1.64	100.00
Number in Catch	24	73	49	140	79	6	371
Standard Error	12	19	16	23	20	6	

Appendix Table H4. Yakutat Bay commercial gillnet catch of sockeye salmon, sex and age class by fishing period, 1983.

6/12-6/18										
	1.4	2.3	0.4	1.3	Age Class 2.2	0.3	1.2	0.2	1.1	TOTAL
<b>Males</b>										
Sample Number	0	4	0	76	0	15	7	1	0	103
Percent	0.00	1.79	0.00	33.93	0.00	6.70	3.13	0.45	0.00	45.98
Number in Catch	0	45	0	857	0	169	79	11	0	1162
<b>Females</b>										
Sample Number	0	7	0	92	0	20	2	0	0	121
Percent	0.00	3.13	0.00	41.07	0.00	8.93	0.89	0.00	0.00	54.02
Number in Catch	0	79	0	1038	0	226	23	0	0	1365
<b>Sexes Combined</b>										
Sample Number	0	11	0	168	0	35	9	1	0	224
Percent	0.00	4.91	0.00	75.00	0.00	15.63	4.02	0.45	0.00	100.00
Number in Catch	0	124	0	1895	0	395	102	11	0	2527
Standard Error		36		73		61	33	11		
6/19-6/25										
	1.4	2.3	0.4	1.3	Age Class 2.2	0.3	1.2	0.2	1.1	TOTAL
<b>Males</b>										
Sample Number	0	2	0	42	0	11	7	1	0	63
Percent	0.00	1.14	0.00	23.86	0.00	6.25	3.98	0.57	0.00	35.80
Number in Catch	0	25	0	524	0	137	87	12	0	785
<b>Females</b>										
Sample Number	0	6	0	87	2	14	4	0	0	113
Percent	0.00	3.41	0.00	49.43	1.14	7.95	2.27	0.00	0.00	64.20
Number in Catch	0	75	0	1085	25	175	50	0	0	1409
<b>Sexes Combined</b>										
Sample Number	0	8	0	129	2	25	11	1	0	176
Percent	0.00	4.55	0.00	73.30	1.14	14.20	6.25	0.57	0.00	100.00
Number in Catch	0	100	0	1608	25	312	137	12	0	2194
Standard Error		34		73	18	58	40	12		
6/26-7/09										
	1.4	2.3	0.4	1.3	Age Class 2.2	0.3	1.2	0.2	1.1	TOTAL
<b>Males</b>										
Sample Number	0	9	1	110	6	19	35	5	1	186
Percent	0.00	2.13	0.24	26.07	1.42	4.50	8.29	1.18	0.24	44.08
Number in Catch	0	43	5	523	29	90	167	24	5	885
<b>Females</b>										
Sample Number	0	14	0	159	3	51	8	1	0	236
Percent	0.00	3.32	0.00	37.68	0.71	12.09	1.90	0.24	0.00	55.92
Number in Catch	0	67	0	757	14	243	38	5	0	1123
<b>Sexes Combined</b>										
Sample Number	0	23	1	269	9	70	43	6	1	422
Percent	0.00	5.45	0.24	63.74	2.13	16.59	10.19	1.42	0.24	100.00
Number in Catch	0	109	5	1280	43	333	205	29	5	2008
Standard Error		22	5	47	14	36	30	12	5	
7/10-7/16										
	1.4	2.3	0.4	1.3	Age Class 2.2	0.3	1.2	0.2	1.1	TOTAL
<b>Males</b>										
Sample Number	1	6	0	43	4	14	11	2	0	81
Percent	0.58	3.49	0.00	25.00	2.33	8.14	6.40	1.16	0.00	47.09
Number in Catch	11	64	0	459	43	149	117	21	0	864
<b>Females</b>										
Sample Number	0	3	0	49	2	34	2	1	0	91
Percent	0.00	1.74	0.00	28.49	1.16	19.77	1.16	0.58	0.00	52.91
Number in Catch	0	32	0	523	21	363	21	11	0	971
<b>Sexes Combined</b>										
Sample Number	1	9	0	92	6	48	13	3	0	172
Percent	0.58	5.23	0.00	53.49	3.49	27.91	7.56	1.74	0.00	100.00
Number in Catch	11	96	0	982	64	512	139	32	0	1835
Standard Error	11	31		70	26	63	37	18		

-Continued-

Appendix Table H4. Yakutat Bay commercial gillnet catch of sockeye salmon, sex and age class by fishing period, 1983 (continued).

7/17-7/30												
	1.4	2.3	0.4	1.3	Age Class			0.3	1.2	0.2	1.1	TOTAL
					2.2							
Males												
Sample Number	1	5	0	71	3	27	11	2	0	0	120	
Percent	0.39	1.95	0.00	27.73	1.17	10.55	4.30	0.78	0.00	0.00	46.88	
Number in Catch	8	38	0	541	23	206	84	15	0	0	915	
Females												
Sample Number	1	5	0	82	4	37	7	0	0	0	136	
Percent	0.39	1.95	0.00	32.03	1.56	14.45	2.73	0.00	0.00	0.00	53.13	
Number in Catch	8	38	0	625	30	282	53	0	0	0	1036	
Sexes Combined												
Sample Number	2	10	0	153	7	64	18	2	0	0	256	
Percent	0.78	3.91	0.00	59.77	2.73	25.00	7.03	0.78	0.00	0.00	100.00	
Number in Catch	15	76	0	1166	53	488	137	15	0	0	1951	
Standard Error	11	24		60	20	53	31	11				
7/31-8/06												
	1.4	2.3	0.4	1.3	Age Class			0.3	1.2	0.2	1.1	TOTAL
					2.2							
Males												
Sample Number	0	0	0	40	1	22	8	3	0	0	74	
Percent	0.00	0.00	0.00	22.86	0.57	12.57	4.57	1.71	0.00	0.00	42.29	
Number in Catch	0	0	0	950	24	523	190	71	0	0	1758	
Females												
Sample Number	0	2	0	54	1	37	5	2	0	0	101	
Percent	0.00	1.14	0.00	30.86	0.57	21.14	2.86	1.14	0.00	0.00	57.71	
Number in Catch	0	48	0	1283	24	879	119	48	0	0	2400	
Sexes Combined												
Sample Number	0	2	0	94	2	59	13	5	0	0	175	
Percent	0.00	1.14	0.00	53.71	1.14	33.71	7.43	2.86	0.00	0.00	100.00	
Number in Catch	0	48	0	2233	48	1402	309	119	0	0	4158	
Standard Error		33		157	33	149	82	52				
8/07-9/10												
	1.4	2.3	0.4	1.3	Age Class			0.3	1.2	0.2	1.1	TOTAL
					2.2							
Males												
Sample Number	0	2	0	31	0	46	4	1	0	0	84	
Percent	0.00	1.34	0.00	20.81	0.00	30.87	2.68	0.67	0.00	0.00	56.38	
Number in Catch	0	43	0	660	0	979	85	21	0	0	1788	
Females												
Sample Number	0	2	0	24	0	36	3	0	0	0	65	
Percent	0.00	1.34	0.00	16.11	0.00	24.16	2.01	0.00	0.00	0.00	43.62	
Number in Catch	0	43	0	511	0	766	64	0	0	0	1383	
Sexes Combined												
Sample Number	0	4	0	55	0	82	7	1	0	0	149	
Percent	0.00	2.68	0.00	36.91	0.00	55.03	4.70	0.67	0.00	0.00	100.00	
Number in Catch	0	85	0	1171	0	1745	149	21	0	0	3171	
Standard Error		42		125		129	55	21				
Periods Combined												
	1.4	2.3	0.4	1.3	Age Class			0.3	1.2	0.2	1.1	TOTAL
					2.2							
Males												
Sample Number	2	28	1	413	14	154	83	15	1	0	711	
Percent	0.10	1.44	0.03	25.30	0.66	12.63	4.53	0.99	0.03	0.03	45.71	
Number in Catch	18	258	5	4514	118	2254	809	177	5	5	8157	
Females												
Sample Number	1	39	0	547	12	229	31	4	0	0	863	
Percent	0.04	2.13	0.00	32.62	0.64	16.44	2.06	0.35	0.00	0.00	54.29	
Number in Catch	8	381	0	5820	115	2933	368	63	0	0	9687	
Sexes Combined												
Sample Number	3	67	1	960	26	383	114	19	1	0	1574	
Percent	0.15	3.58	0.03	57.92	1.30	29.07	6.60	1.34	0.03	0.03	100.00	
Number in Catch	26	638	5	10335	233	5186	1177	240	5	5	17844	
Standard Error	16	86	5	248	52	232	125	63	5	5		

Appendix Table H5. Yakutat Bay commercial gillnet catch of coho salmon, sex and age class by fishing period, 1983.

Periods Combined	Age Class			TOTAL
	3.1	2.1	1.1	
<b>No sex</b>				
Sample Number	0	13	13	26
Percent	0.00	2.68	2.68	5.36
Number in Catch	0	100	100	200
<b>Males</b>				
Sample Number	2	130	96	228
Percent	0.41	26.80	19.79	47.01
Number in Catch	15	1002	740	1758
<b>Females</b>				
Sample Number	3	137	91	231
Percent	0.62	28.25	18.76	47.63
Number in Catch	23	1056	702	1781
<b>Sexes Combined</b>				
Sample Number	5	280	200	485
Percent	1.03	57.73	41.24	100.00
Number in Catch	39	2159	1542	3739
Standard Error	17	84	83	

Appendix Table 11. Manby Shore commercial gillnet catch of salmon, number of hours fished, and number of fishermen, by period, 1983.

Week	Hours	Boats	Number of Fish					
			Chinook	Sockeye	Coho	Pink	Chum	
6/19-6/25	60	4	2	1,773				
6/26-7/02	36	20	10	2,092	44	2	7	
7/03-7/09	36	16		2,324	6		5	
7/10-7/16	36	10	12	1,615	63	139		
7/17-7/23								
7/24-7/30								
7/31-8/06								
8/07-8/13								
8/14-8/20								
8/21-8/27								
8/28-9/03	72	3		15	1,406			
9/04-9/10	72	4			1,781			
9/11-9/17	72	6			1,389	1		
9/18-9/24	72							
9/25-10/1	72	2			702			
<b>TOTAL</b>			<b>24</b>	<b>7,819</b>	<b>5,391</b>	<b>142</b>	<b>12</b>	

Appendix Table 12. Manby Shore escapement of salmon, 1983<sup>1</sup>.

Area	Date	Chinook	Sockeye	Coho	Pink	Chum
Malaspina Lake	08/30		2,000			
Manby Pond	09/02			250		
	09/09			600		
Spoon River	08/30			300		

<sup>1</sup> Aerial surveys.

Appendix Table I3. Manby Shore commercial gillnet catch of sockeye salmon, sex and age class by fishing period, 1983.

6/19-6/25								
	1.4	2.3	1.3	Age Class			0.2	TOTAL
				2.2	0.3	1.2		
<b>Males</b>								
Sample Number	0	6	72	5	20	15	1	119
Percent	0.00	2.65	31.86	2.21	8.85	6.64	0.44	52.65
Number in Catch	0	47	565	39	157	118	8	934
<b>Females</b>								
Sample Number	1	6	75	0	19	6	0	107
Percent	0.44	2.65	33.19	0.00	8.41	2.65	0.00	47.35
Number in Catch	8	47	588	0	149	47	0	839
<b>Sexes Combined</b>								
Sample Number	1	12	147	5	39	21	1	226
Percent	0.44	5.31	65.04	2.21	17.26	9.29	0.44	100.00
Number in Catch	8	94	1153	39	306	165	8	1773
Standard Error	8	26	56	17	45	34	8	
6/25-7/02								
	1.4	2.3	1.3	Age Class			0.2	TOTAL
				2.2	0.3	1.2		
<b>Males</b>								
Sample Number	1	10	62	3	12	19	0	107
Percent	0.45	4.48	27.80	1.35	5.38	8.52	0.00	47.98
Number in Catch	9	94	582	28	113	178	0	1004
<b>Females</b>								
Sample Number	0	2	84	3	13	14	0	116
Percent	0.00	0.90	37.67	1.35	5.83	6.28	0.00	52.02
Number in Catch	0	19	788	28	122	131	0	1088
<b>Sexes Combined</b>								
Sample Number	1	12	146	6	25	33	0	223
Percent	0.45	5.38	65.47	2.69	11.21	14.80	0.00	100.00
Number in Catch	9	113	1370	56	235	310	0	2092
Standard Error	9	32	67	23	44	50		

-Continued-

Appendix Table I3. Manby Shore commercial gillnet catch of sockeye salmon, sex and age class by fishing period, 1983 (continued).

7/03-7/09								
	1.4	2.3	1.3	Age Class			0.2	TOTAL
				2.2	0.3	1.2		
<b>Males</b>								
Sample Number	0	5	51	7	0	43	1	107
Percent	0.00	2.25	22.97	3.15	0.00	19.37	0.45	48.20
Number in Catch	0	52	534	73	0	450	10	1120
<b>Females</b>								
Sample Number	1	9	66	3	3	33	0	115
Percent	0.45	4.05	29.73	1.35	1.35	14.86	0.00	51.80
Number in Catch	10	94	691	31	31	345	0	1204
<b>Sexes Combined</b>								
Sample Number	1	14	117	10	3	76	1	222
Percent	0.45	6.31	52.70	4.50	1.35	34.23	0.45	100.00
Number in Catch	10	147	1225	105	31	796	10	2324
Standard Error	10	38	78	32	18	74	10	
7/10-9/03								
	1.4	2.3	1.3	Age Class			0.2	TOTAL
				2.2	0.3	1.2		
<b>Males</b>								
Sample Number	0	3	39	2	1	38	0	83
Percent	0.00	1.67	21.67	1.11	0.56	21.11	0.00	46.11
Number in Catch	0	27	353	18	9	344	0	752
<b>Females</b>								
Sample Number	0	6	45	3	10	33	0	97
Percent	0.00	3.33	25.00	1.67	5.56	18.33	0.00	53.89
Number in Catch	0	54	408	27	91	299	0	878
<b>Sexes Combined</b>								
Sample Number	0	9	84	5	11	71	0	180
Percent	0.00	5.00	46.67	2.78	6.11	39.44	0.00	100.00
Number in Catch	0	82	761	45	100	643	0	1630
Standard Error		26	61	20	29	59		
Periods Combined								
	1.4	2.3	1.3	Age Class			0.2	TOTAL
				2.2	0.3	1.2		
<b>Males</b>								
Sample Number	1	24	224	17	33	115	2	416
Percent	0.12	2.82	26.01	2.03	3.56	13.94	0.23	48.72
Number in Catch	9	220	2034	159	279	1090	18	3809
<b>Females</b>								
Sample Number	2	23	270	9	45	86	0	435
Percent	0.23	2.74	31.65	1.11	5.03	10.52	0.00	51.28
Number in Catch	18	214	2475	87	393	823	0	4010
<b>Sexes Combined</b>								
Sample Number	3	47	494	26	78	201	2	851
Percent	0.35	5.56	57.66	3.14	8.59	24.46	0.23	100.00
Number in Catch	28	435	4508	245	672	1913	18	7819
Standard Error	16	62	132	47	72	112	13	

Appendix Table I4. Manby Shore commercial gillnet catch of coho salmon, sex and age class by fishing period, 1983.

Periods Combined	Age Class			TOTAL
	3.1	2.1	1.1	
<b>Males</b>				
Sample Number	0	107	59	166
Percent	0.00	32.62	17.99	50.61
Number in Catch	0	1759	970	2728
<b>Females</b>				
Sample Number	6	102	54	162
Percent	1.83	31.10	16.46	49.39
Number in Catch	99	1676	888	2663
<b>Sexes Combined</b>				
Sample Number	6	209	113	328
Percent	1.83	63.72	34.45	100.00
Number in Catch	99	3435	1857	5391
Standard Error	44	143	141	

Appendix Table J1. Yahtse River commercial gillnet catch of salmon, number of hours fished, and number of fishermen, by period, 1983.

Week	Hours	Boats	Number of Fish				
			Chinook	Sockeye	Coho	Pink	Chum
8/28-9/03	72	6			1,223		
9/04-9/10	72	7			2,359		
9/11-9/17	72	7		231	2,048	2	
9/18-9/24	72	4			840		
9/25-10/1	96	2			95		
<b>TOTAL</b>			0	231	6,565	2	0

Appendix Table J2. Yahtse River commercial gillnet catch of coho salmon, sex and age class by fishing period, 1983.

Periods Combined	Age Class			TOTAL
	3.1	2.1	1.1	
<b>Males</b>				
Sample Number	2	63	25	90
Percent	0.97	30.43	12.08	43.48
Number in Catch	63	1998	793	2854
<b>Females</b>				
Sample Number	4	64	49	117
Percent	1.93	30.92	23.67	56.52
Number in Catch	127	2030	1554	3711
<b>Sexes Combined</b>				
Sample Number	6	127	74	207
Percent	2.90	61.35	35.75	100.00
Number in Catch	190	4028	2347	6565
Standard Error	76	223	219	

Appendix Table K1. Tsiu River commercial gillnet catch of salmon, number of hours fished, and number of fishermen, by period, 1983.

Week	Hours	Boats	Number of Fish				
			Chinook	Sockeye	Coho	Pink	Chum
8/28-9/03	72	7			6,396		
9/04-9/10	72	8			5,218		
9/11-9/17	72	8			7,104		
9/18-9/24	24	7			1,401		
<b>TOTAL</b>			0	0	20,119	0	0

Appendix Table K2. Tsiu River escapement of salmon, 1983<sup>1</sup>.

Date	Coho
09/09	6-8,000
09/27	15-18,000 <sup>2</sup>

<sup>1</sup> Aerial surveys.

<sup>2</sup> Poor light.

Appendix Table K3. Tsiu River commercial gillnet catch of coho salmon, sex and age class by fishing period, 1983.

Periods Combined	Age Class			TOTAL
	3.1	2.1	1.1	
<b>Males</b>				
Sample Number	7	115	134	256
Percent	1.33	21.82	25.43	48.58
Number in Catch	267	4390	5116	9773
<b>Females</b>				
Sample Number	2	136	133	271
Percent	0.38	25.81	25.24	51.42
Number in Catch	76	5192	5077	10346
<b>Sexes Combined</b>				
Sample Number	9	251	267	527
Percent	1.71	47.63	50.66	100.00
Number in Catch	344	9582	10193	20119
Standard Error	113	438	438	

Appendix Table L1. Kaliakh River commercial gillnet catch of salmon, number of hours fished, and number of fishermen, 1983.

Week	Hours	Boats	Number of Fish				
			Chinook	Sockeye	Coho	Pink	Chum
8/28-9/03	72	3			1,316		
9/04-9/10	72	3			1,638		
9/11-9/17	72	3			1,644		
<b>TOTAL</b>			0	0	4,598	0	0

Appendix Table L2. Kaliakh River escapement of salmon, 1983<sup>1</sup>.

Date	Coho
09/09	2-3,000
09/27	6,000 <sup>2</sup>

<sup>1</sup> Aerial surveys.

<sup>2</sup> Poor light.

Appendix Table L3. Kaliakh River commercial gillnet catch of coho salmon, sex and age class by fishing period, 1983.

Periods Combined	Age Class			TOTAL
	3.1	2.1	1.1	
<b>No sex</b>				
Sample Number	0	2	0	2
Percent	0.00	0.35	0.00	0.35
Number in Catch	0	16	0	16
<b>Males</b>				
Sample Number	1	165	116	282
Percent	0.17	28.55	20.07	48.79
Number in Catch	8	1313	923	2243
<b>Females</b>				
Sample Number	6	163	125	294
Percent	1.04	28.20	21.63	50.87
Number in Catch	48	1297	994	2339
<b>Sexes Combined</b>				
Sample Number	7	330	241	578
Percent	1.21	57.09	41.70	100.00
Number in Catch	56	2625	1917	4598
Standard Error	21	95	94	

Appendix Table M1. Lengths (mm) of sockeye salmon fry Yakutat area commercial gillnet fisheries, 1983<sup>1</sup>.

Fishery	Sex	Age Class											
		2.4	1.4	2.3	0.4	1.3	2.2	0.3	1.2	2.1	0.2	1.1	0.1
East	Male	Mean			570		595	445	581	527		512	
		Std Error				10		2	8		7		
		Sample Size			1		45	1	575	13		53	
	Female	Mean		550	570	560	508	565	509		520		
		Std Error		25		3	22	2	7		9		
		Sample Size		2	1	54	2	817	12		12		
Alsek	Male	Mean	590	596		582		573	480		453		
		Std Error		10		1		6	4		7		
		Sample Size	1	4		814		38	87		21		
	Female	Mean	580	557		564	525	558	505		515		
		Std Error		13		1	3	3	4		7		
		Sample Size	1	6		927	1	66	39		4		
Akwe	Male	Mean		545	608	586		579	471		445		
		Std Error			2	4		3	7		3		
		Sample Size		1	2	54		71	25		87		
	Female	Mean	615	605		566	530	569	507				
		Std Error				2		1	8				
		Sample Size	1	1		69	1	269	13				
Italio	Male	Mean		549		592	490	597	500		445		
		Std Error		25		5		3	13		8		
		Sample Size		5		136	1	80	12		16		
	Female	Mean				571		575	524				
		Std Error				2		2	8				
		Sample Size				139		141	5				
Situk	Male	Mean	565	628	566		568	512	590	479		481	334
		Std Error	20	12	3		2	5	6	11		20	8
		Sample Size	2	3	70		487	28	25	69		8	6
	Female	Mean	595	546	625	553	507	552	488		465		
		Std Error	13	3		1	9	8	6				
		Sample Size	3	65	1	612	13	63	23		1		
Lost	Male	Mean	565	580		578	519	579	496		504		
		Std Error		9		2	6	4	8		23		
		Sample Size	1	8		159	16	46	67		12		
	Female	Mean		549		556	498	558	498		470		
		Std Error		5		1	6	2	5		15		
		Sample Size		13		258	10	61	25		3		
Yakutat Bay	Male	Mean	618	576	580	576	508	587	511		491	355	
		Std Error	2	5		2	9	3	4		14		
		Sample Size	2	28	1	413	14	154	83		15	1	
	Female	Mean	600	562		563	522	566	517		524		
		Std Error		4		1	11	3	6		7		
		Sample Size	1	39		547	12	229	31		4		
Manby Shore	Male	Mean	580	569		569	531	583	512		432		
		Std Error		5		2	6	4	5		18		
		Sample Size	1	24		224	17	33	115		2		
	Female	Mean	565	553		552	522	558	516				
		Std Error	5	5		1	7	3	3				
		Sample Size	2	23		270	9	45	86				

<sup>1</sup> Mid-eye-to-fork length.

Appendix Table M2. Lengths (mm) of sockeye salmon from Yakutat area escapements by sex and age, 1983<sup>1</sup> <sup>2</sup>.

Escapement	Sex	Age Class												
		2.4	1.4	2.3	0.4	1.3	2.2	0.3	1.2	2.1	0.2	1.1	0.1	
East	Male	Mean					587		589			471		355
		Std Error					11		2			8		
		Sample Size					6		113			14		1
	Female	Mean					562		549	492		499		
		Std Error					8		1	2		6		
		Sample Size					4		242	2		21		
Klukshu <sup>3</sup> <sup>4</sup>	Male	Mean	590				650				599	637		
		Std Error					2				16			
		Sample Size	1				114				20	1		
	Female	Mean	580				607	525			569			
		Std Error					2				13			
		Sample Size	1				199	1			14			
Akwe	Male	Mean					543	475	558	405		438	380	
		Std Error					16		10	45		4		
		Sample Size					7	1	20	2		65	1	
	Female	Mean		538			511	525	529	477				
		Std Error		5			6	5	2	10				
		Sample Size		4			14	2	147	3				
Italio	Male	Mean		558			564	470		475		413	327	
		Std Error		29			4	39		10		18	12	
		Sample Size		3			143	3		31		3	2	
	Female	Mean					530		530	487		470		
		Std Error					2		5	6				
		Sample Size					139		2	20		1		
Situk <sup>3</sup>	Male	Mean	530	549			557	481	541	484	335	437	364	420
		Std Error		4			2	6	25	3		28	11	
		Sample Size	1	74			369	46	4	185	1	15	5	1
	Female	Mean		544			548	505	562	496		511		
		Std Error		2			1	5	11	3		18		
		Sample Size		65			581	23	6	83		5		
Lost	Male	Mean					548		546	503		462	340	
		Std Error					6		7	34		16	26	
		Sample Size					17		23	14		8	4	
	Female	Mean			585	522			520	492		449		
		Std Error				5			5	16		11		
		Sample Size			1	37			83	36		15		

<sup>1</sup> Mid-eye-to-fork length unless noted otherwise.

<sup>2</sup> Carcass samples unless noted otherwise.

<sup>3</sup> Weir samples.

<sup>4</sup> Total length.

Appendix Table M3. Lengths (mm) of chinook salmon from Yakutat area commercial gillnet fisheries, 1983<sup>1</sup>.

Fishery	Sex		Age Class						
			2.4	1.4	2.3	1.3	0.3	1.2	1.1
Alsek	Male	Mean		891	900	822		657	
		Std Error		25		22		11	
		Sample Size		7	1	12		5	
	Female	Mean		884		805			
		Std Error		16		10			
		Sample Size		9		7			
Akwe	Male	Mean		925		868		862	
		Std Error		5		11		17	
		Sample Size		2		24		2	
	Female	Mean		885		844			
		Std Error		30		6			
		Sample Size		2		23			
Situk	Male	Mean		925		829		685	460
		Std Error		55		23		12	
		Sample Size		2		7		6	1
	Female	Mean	840	907		786			
		Std Error		16		13			
		Sample Size	1	5		25			
Yakutat Bay	Male	Mean							
		Std Error							
		Sample Size							
	Female	Mean					825		
		Std Error					15		
		Sample Size					2		

<sup>1</sup> Mid-eye-to-fork length.

Appendix Table M4. Lengths (mm) of chum salmon from the East Alsek commercial gillnet fishery and escapement by sex and age, 1983<sup>1</sup>.

		Sex	Age Class			
			0.5	0.4	0.3	0.2
Catch	Male	Mean		655	626	568
		Std Error		7	2	4
		Sample Size		30	164	47
	Female	Mean	595	614	613	560
		Std Error		9	3	4
		Sample Size	1	13	114	21
Escapement	Male	Mean			638	
		Std Error			11	
		Sample Size			14	
	Female	Mean		648	583	554
		Std Error		11	4	9
		Sample Size		3	48	8

<sup>1</sup> Mid-eye-to-fork length.

Appendix Table M5. Lengths (mm) of coho salmon from Yakutat area commercial gillnet fisheries, 1983.

Fishery	Sex		Age Class		
			3.1	2.1	1.1
East	Male	Mean		622	610
		Std Error		6	201
		Sample Size		126	3
	Female	Mean	590	632	625
		Std Error		3	3
		Sample Size	1	139	133
Alsek	Male	Mean	670	616	598
		Std Error	36	4	5
		Sample Size	3	159	137
	Female	Mean	652	630	619
		Std Error	7	3	4
		Sample Size	2	145	90
Akwe	Male	Mean	370	647	629
		Std Error	10	4	4
		Sample Size	2	148	139
	Female	Mean	644	653	632
		Std Error	22	2	3
		Sample Size	4	156	122
Italio	Male	Mean		641	
		Std Error		8	
		Sample Size		36	
	Female	Mean		644	626
		Std Error		7	5
		Sample Size		26	56
Situk	Male	Mean	690	624	603
		Std Error		4	4
		Sample Size	1	126	218
	Female	Mean	630	630	617
		Std Error		3	3
		Sample Size	1	94	149

-Continued-

Appendix Table M5. Lengths (mm) of coho salmon from Yakutat area commercial gillnet fisheries, 1983 (continued).

Fishery	Sex		Age Class		
			3.1	2.1	1.1
		Sample Size	1	94	149
Lost	Male	Mean	550	630	613
		Std Error	45	5	4
		Sample Size	2	134	172
	Female	Mean	640	619	624
		Std Error	15	9	4
		Sample Size	2	101	116
Yakutat Bay	Male	Mean	680	617	628
		Std Error	20	4	4
		Sample Size	2	130	90
	Female	Mean	632	624	634
		Std Error	12	5	3
		Sample Size	3	137	88
Manby Shore	Male	Mean		608	619
		Std Error		5	7
		Sample Size		107	59
	Female	Mean	627	639	639
		Std Error	13	3	4
		Sample Size	6	102	54
Yahtse	Male	Mean	675	636	598
		Std Error	5	6	11
		Sample Size	2	63	25
	Female	Mean	635	648	620
		Std Error	7	4	4
		Sample Size	4	64	49
Tsiu	Male	Mean	649	634	632
		Std Error	17	6	4
		Sample Size	7	115	134
	Female	Mean	640	644	634
		Std Error	0	2	3
		Sample Size	2	136	133
Kaliakh	Male	Mean	555	658	630
		Std Error		3	6
		Sample Size	1	164	116
	Female	Mean	650	654	631
		Std Error	12	2	5
		Sample Size	6	163	125

Appendix Table N1. Weight (kg) of salmon from Yakutat area commercial gillnet fisheries, 1983.

Fishery	Chinook	Sockeye	Coho	Pink	Chum
East Alsek	166.3	249,908.8	20,775.9	646.0	36,661.3
Alsek	1,228.5	54,057.8	22,157.6	44.4	16,614.5
Akwe	1,121.2	16,307.5	25,034.1	324.3	268.2
Italio		4,257.3	19,126.6	934.5	2,341.6
Situk	2,763.3	48,821.2	69,131.4	13,094.0	923.2
Lost	9.5	5,764.0	24,553.1	2,760.1	33.5
Yakutat Bay	1,871.3	52,828.0	15,715.9	18,829.4	1,451.9
Manby Shore	110.1	21,068.8	20,899.9	297.2	41.2
Yahtse		784.6	24,105.5	4.1	
Tsiu			88,381.7		
Kaliakh			21,755.3		

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